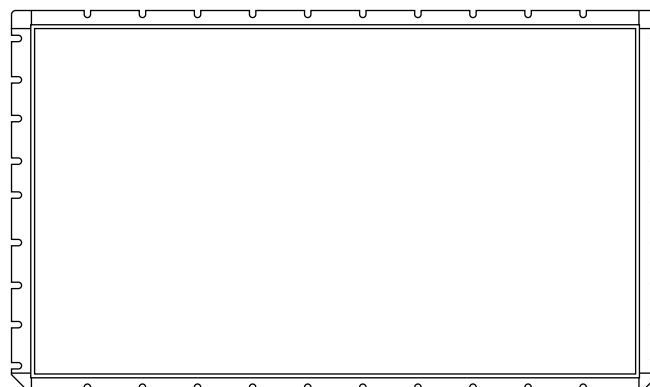


Service Manual

Wide Plasma Display Module

MD-42M8 SERIES



Specifications

Power Source	AC 100 - 240 V, 50/60 Hz
Plasma Display panel	Drive method : AC type 42-inch, 16 : 9 aspect ratio
Screen Size	Approx. 36 ⁷ / ₃₂ " (920mm) (W) × 20 ²⁵ / ₆₄ " (518 mm) (H) × 41 ³⁷ / ₆₄ " (1056 mm) (diagonal)
No. of Pixels	408,960 (852 (W) × 480 (H)) [2,556 × 480 dots]
Mass (Weight)	17.0 kg
Operating Condition	
Temperature	32°F - 104°F (0°C - 40°C)
Humidity	20% - 80%

Note:

Design and Specifications are subject to change without notice. Weight and Dimensions shown are approximate.

WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic®

© 2005 Matsushita Electric Industrial Co., Ltd. All rights reserved. Unauthorized copying and distribution is a violation of law.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

CONTENTS

	Page		Page
1 Safety Precautions	3	10.4. P-Board (1 of 6) Schematic Diagram	34
1.1. General Guidelines	3	10.5. P-Board (2 of 6) Schematic Diagram	35
2 Prevention of Electro Static Discharge (ESD) to Electrostatically Sensitive (ES) Devices	4	10.6. P-Board (3 of 6) Schematic Diagram	36
3 About lead free solder (PbF)	5	10.7. P-Board (4 of 6) Schematic Diagram	37
4 How to read Model Number	6	10.8. P-Board (5 of 6) Schematic Diagram	38
5 PCB Structure & List	7	10.9. P-Board (6 of 6) Schematic Diagram	39
6 Set Serial Label Information	8	10.10. D-Board Block Diagram	40
7 Trouble shooting guide	9	10.11. D-Board (1 of 6) Schematic Diagram	41
7.1. How to identify SOS Blinking Signal	9	10.12. D-Board (2 of 6) Schematic Diagram	42
7.2. Timing Chart of LED Blinking	9	10.13. D-Board (3 of 6) Schematic Diagram	43
7.3. How to Display Internal Test pattern	10	10.14. D-Board (4 of 6) Schematic Diagram	44
7.4. Local screen failure	11	10.15. D-Board (5 of 6) Schematic Diagram	45
8 Adjustment Procedure	12	10.16. D-Board (6 of 6) Schematic Diagram	46
8.1. Driver Set-up	12	10.17. C1 and C2-Board Block Diagram	47
8.2. Initialization Pulse Adjust	13	10.18. C1-Board (1 of 2) Schematic Diagram	48
8.3. P.C.B. (Printed Circuit Board) exchange	14	10.19. C1-Board (2 of 2) Schematic Diagram	49
8.4. Adjustment Volume Location	14	10.20. C2-Board (1 of 2) Schematic Diagram	50
8.5. Test Point Location	14	10.21. C2-Board (2 of 2) Schematic Diagram	51
9 Conductor View	15	10.22. SC-Board Block Diagram	52
9.1. P-Board	15	10.23. SC-Board (1 of 2) Schematic Diagram	53
9.2. D-Board	18	10.24. SC-Board (2 of 2) Schematic Diagram	54
9.3. C1-Board	21	10.25. SU-Board Block Diagram	55
9.4. C2-Board	22	10.26. SU-Board Schematic Diagram	56
9.5. SC-Board	23	10.27. SD-Board Block Diagram	57
9.6. SU-Board	26	10.28. SD-Board Schematic Diagram	58
9.7. SD-Board	27	10.29. SS-Board Block Diagram	59
9.8. SS-Board	28	10.30. SS-Board Schematic Diagram	60
10 Block and Schematic Diagram	31	11 Replacement Parts List	61
10.1. Schematic Diagram Notes	31	11.1. Replacement Parts List Notes	61
10.2. Main Block Diagram	32	11.2. Mechanical Replacement Parts List	62
10.3. P-Board Block Diagram	33	11.3. Electrical Replacement Parts List	63

1 Safety Precautions

1.1. General Guidelines

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

1.1.1. Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between $1M\Omega$ and $5.2M\Omega$.

When the exposed metal does not have a return path to the chassis, the reading must be ∞ .

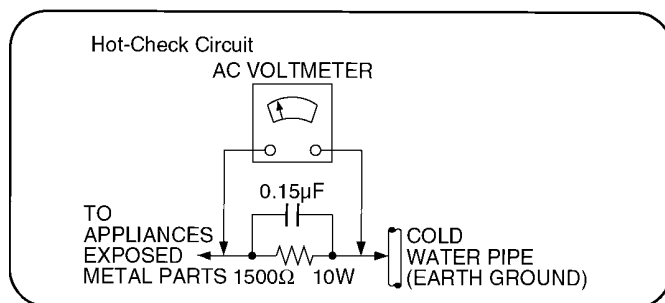


Figure 1

1.1.2. Leakage Current Hot Check (See Figure 1.)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 1.5kΩ, 10 watts resistor, in parallel with a 0.15μF capacitors, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

2 Prevention of Electro Static Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electro static discharge (ESD).

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static (ESD protected)" can generate electrical charge sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

Caution

Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by  in the schematic diagrams, Exploded Views and replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

3 About lead free solder (PbF)

Note: Lead is listed as (Pb) in the periodic table of elements.

In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.

The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).

That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

This model uses Pb Free solder in it's manufacture due to environmental conservation issues. For service and repair work, we'd suggest the use of Pb free solder as well, although Pb solder may be used.

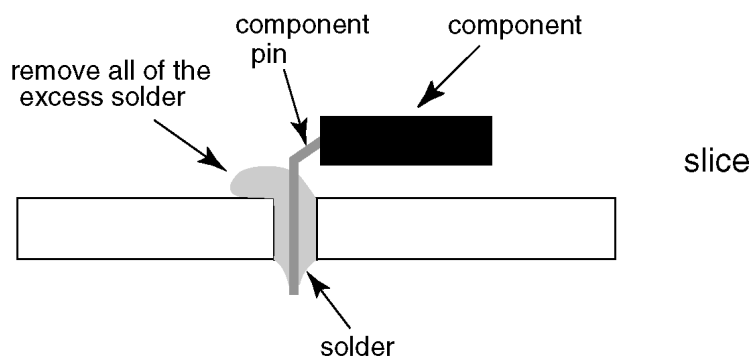
PCBs manufactured using lead free solder will have the PbF within a leaf Symbol  stamped on the back of PCB.

Caution

- Pb free solder has a higher melting point than standard solder. Typically the melting point is 50 ~ 70 °F (30~40 °C) higher. Please use a high temperature soldering iron and set it to 700 ± 20 °F (370 ± 10 °C).
- Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C).

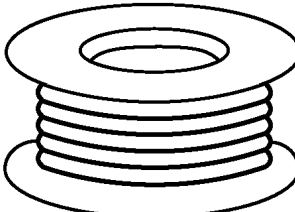
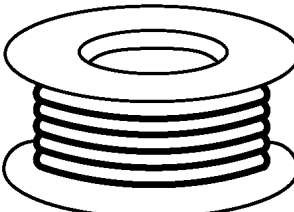
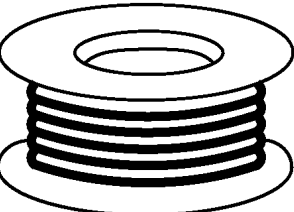
If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.

- After applying PbF solder to double layered boards, please check the component side for excess solder which may flow onto the opposite side. (see figure below)



Suggested Pb free solder

There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.

0.3mm X 100g	0.6mm X 100g	1.0mm X 100g
		

4 How to read Model Number

(Example) MD-42M8ASSJ

①		②	③	④	⑤	⑥	⑦	⑧
MD	-	42	M	8	A	S	S	J

①	PDP Module
②	Size of PDP Panel * 37 : 37 inch * 42 : 42 inch * 50 : 50 inch * 65 : 65 inch
③	Type of PDP Panel * M : Standard Panel * HM : High Definition Panel
④	Version Number * 5 : 2002 model * 6 : 2003 model * 7 : 2004 model * 8 : 2005 model
⑤	Type of Power Supply Circuit * A : with Power Supply Circuit (Board) * B : without Power Supply Circuit (Board)
⑥	Type of PDP Module * S : Standard
⑦	Type of Packing Materials (for transportation) * N : One way Packing * R : Returnable Packing * S : Single Packing
⑧	Country of Origin * : J : Japan

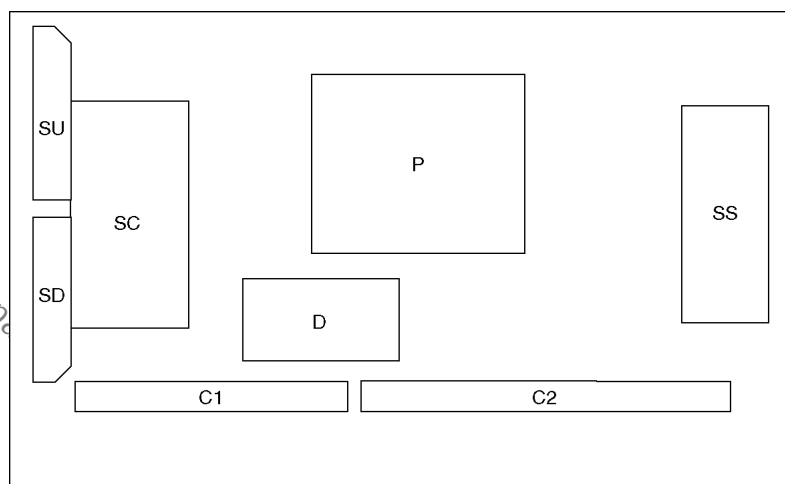
Note

1. This Service Manual has made based on Model No. (MD-42M8ASSJ).

So, the information of Power Supply Circuit is included in Circuit Board Diagram, Schematic Diagram and Parts List.

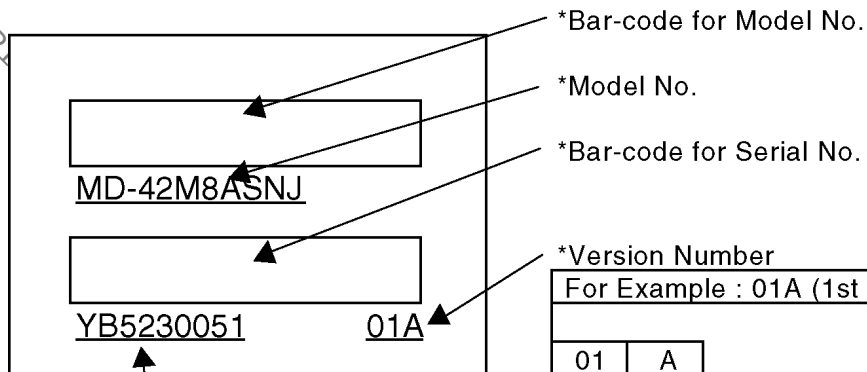
2. The packing materials for only Single Packing Type are supplied as spare parts. (The packing materials for One way and Returnable type are not supplied as spare parts.)

5 PCB Structure & List



	Board Name	Parts Number	Function	Applicable Model Number		Recommend	Remarks
				MD-42M8ASSJ MD-42M8ASRJ MD-42M8ASNJ	MD-42M8BSSJ MD-42M8BSRJ MD-42M8BSNJ		
1	D	TZTNP01YHSR	Interface & Digital Process	○	○	1	
2	SS	TNPA3544	Sustain Drive	○	○	1	
3	SC	TNPA3543	Scan Drive	○	○	1	
4	SU	TNPA3242	Scan Drive Output (Upper)	○	○	1	
5	SD	TNPA3243	Scan Drive Output (Lower)	○	○	1	
6	C1	TNPA3545	Data Drive (Left)	○	○		
7	C2	TNAP3546	Data Drive (Right)	○	○		
8	P	TNPA3570	Power Supply	○	NONE	1	

6 Set Serial Label Information



*Serial Number

For Example : YB5230051

YB	5	2	3	0051
①	②	③	④	⑤

① No. of Production Line

② Production Year

* 4 : 2004

* 5 : 2005

* 6 : 2006

③ Production Month

* 1 : JAN - FEB

* 2 : MAR - APR

* 3 : MAY - JUN

* 4 : JLY - AUG

* 5 : SEP - OCT

* 6 : NOV - DEC

④ Production Period (Day)

* 1 : BEG (1 - 10)

* 2 : MID (11 - 20)

* 3 : END (21 - 31)

* 4 : BEG (1 - 10)

* 5 : MID (11 - 20)

* 6 : END (21 - 31)

⑤ Serial Number

From 0001 ---

*Version Number

For Example : 01A (1st Version)

01	A
①	②

① Process Version Number

*Version Number will be changed if the production process has been changed but it has no effect on the function.

② Function Version Code

*Version Code will be changed if set characteristics or function has been changed.

7 Trouble shooting guide

7.1. How to identify SOS Blinking Signal

[Function]

When an abnormality has occurred in the PDP module, the protection circuit operates and reset to the stand-by mode. At the same time, the defective P.C.Board can be indicated by the number of the pulse at Pin 3(LED_R) of D8 connector on D8 Board.

By using this tool (V1 board), the indication of pulse is shown to the blinking of red LED.

(Pluse High = LED light, Pulse Low = LED light off)

Tool name	Part number	Supply period	Supply route
V1 board	TNPA3199	until end of DEC ./2005	Normal spare part route (chargeable)
Lead Wire (D8-V34)	TXJV340MMS	until end of DEC ./2005	Normal spare part route (chargeable)

[How to check]

Connect the V1 board to D8 connector on D board, and turn on the power (SS34) of PDP module.

If power is shut down by protection circuit, the red LED of V1 board will be shown as blinking.

(Refer to Fig. A)

(If the unit keeps power on, the green LED of V1 board will be lighting.)

7.2. Timing Chart of LED Blinking

1. Subject

Information of LED Blinking timing chart.

No. of Pulse	Signal timing	Contents & Check point
2	0.5 sec 3 sec	12V SOS (P Board)
3		3.3V SOS (D-Board)
4		Power SOS (P Board)
5		5V SOS (D Board)
6		Driver SOS1 (SC Board)
7		Driver SOS2 (SU,SD,SC Board)
8		Driver SOS3 (SS Board)
9		FPGA Config (D Board)

7.3. How to Display Internal Test pattern

[Function]

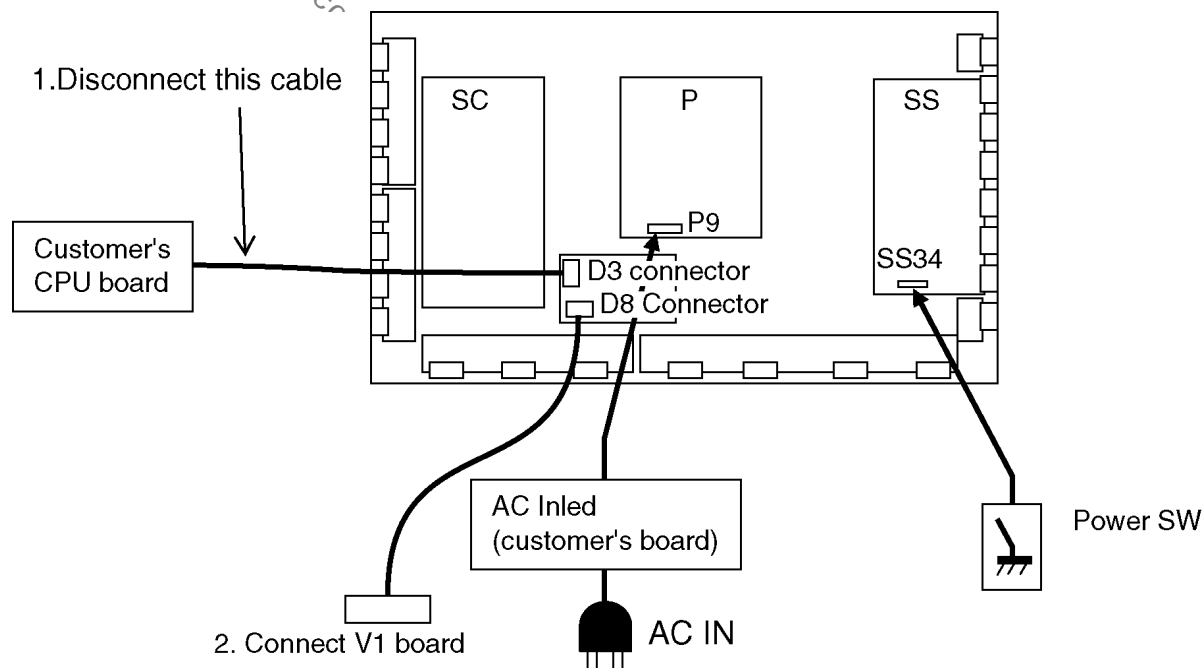
To display some Internal test pattern on screen without signal input in order to check defect symptom.

Tool name	Part number	Supply period	Supply route
Remote Controller	EUR646529	until end of DEC ./2005	Normal spare part route (chargeable)

V1 board TNPA3199 is necessary to receive command from remote controller.

[Check condition]

1. Disconnect the cable(D3 connector) from D board.
(*This function doesn't work when D3 connector connected.)
2. Connect the V1 board to D8 connector on D board.

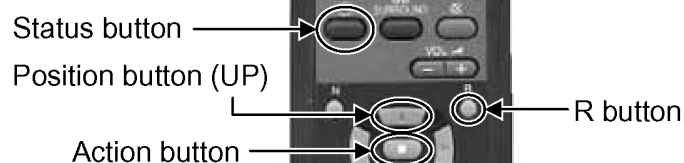
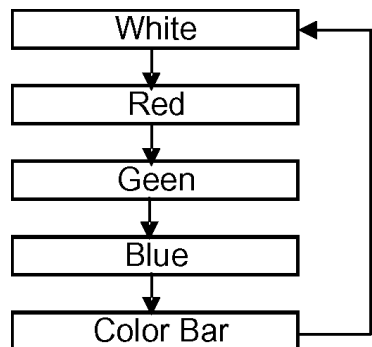


[How to use]

1. Press the Position button (UP), then press Status button for 3 times with-in 2 seconds.

White pattern is displayed on the screen.

2. After that, press Action button to change the test pattern as follows.

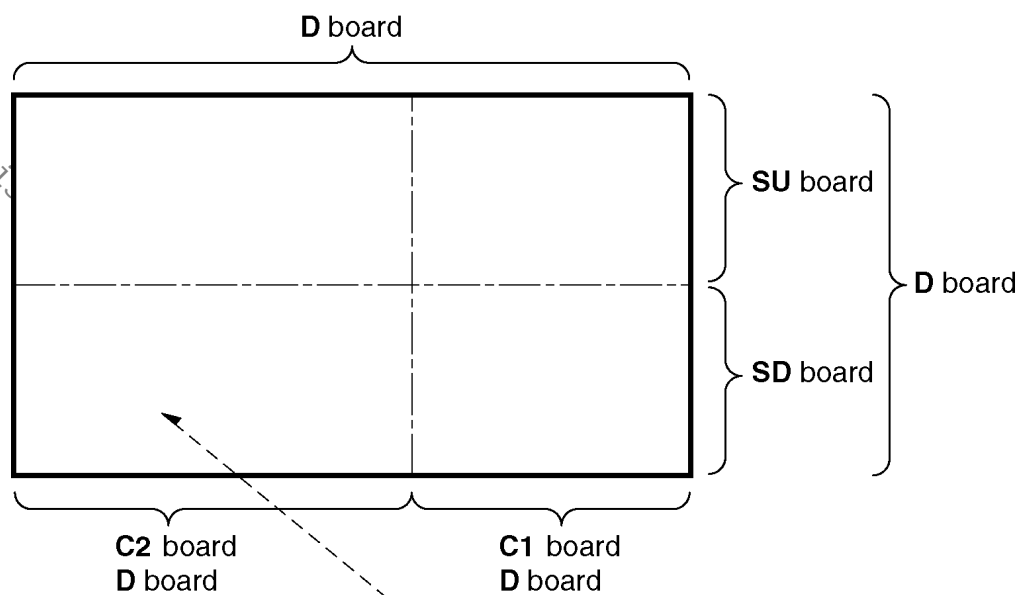


3. Press the R button to exit internal test pattern mode.



7.4. Local screen failure

Plasma display may have local area failure on the screen. Fig - 1 is the possible defect P.C.B. for each local area.



Panel (Thin vertical line)
<Local screen failure chart>

8 Adjustment Procedure

8.1. Driver Set-up

8.1.1. Item / Preparation

1. Input an APL 100 % white signal.

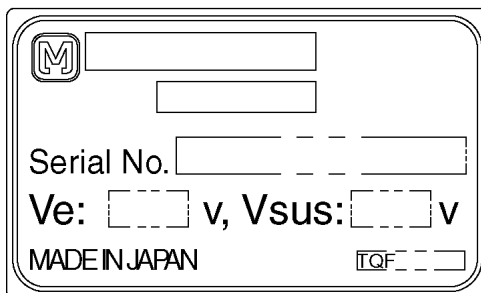
8.1.2. Adjustments

Adjust driver section voltages referring the panel data on the panel data label.

Name	Test Point	Voltage	Volume	Remarks
Vsus	TPVSUS (SS)	Vsus $\pm$ 1V	R628 (P)	*
Ve	TPVE (SS)	Ve $\pm$ 1V	VR6074 (SS)	*
Vset	TPVSET (SC)	232V $\pm$ 6V	Fixed	
Vad	TPVAD (SC)	-90V $\pm$ 1V	VR6477 (SC)	
Vscn	TPVSCN (SC)	Vad+120V $\pm$ 3V	Fixed	
Vda	TPVDA (SS)	67V $\pm$ 1V	R665 (P)	
PFC	C446 (+)(-)	395V $\pm$ 0.5V	R443 (P)	
Vlow	C555 (+)(-)	73V $\pm$ 0.1V	R661 (P)	load current : 0.4A
Csus	TPVsus	164V $\pm$ 0.5V	R671 (P)	load current : 1.45A

*See the Panel label.

Panel Label information



Panel Label information form with fields for Serial No., Ve, Vsus, and MADE IN JAPAN.

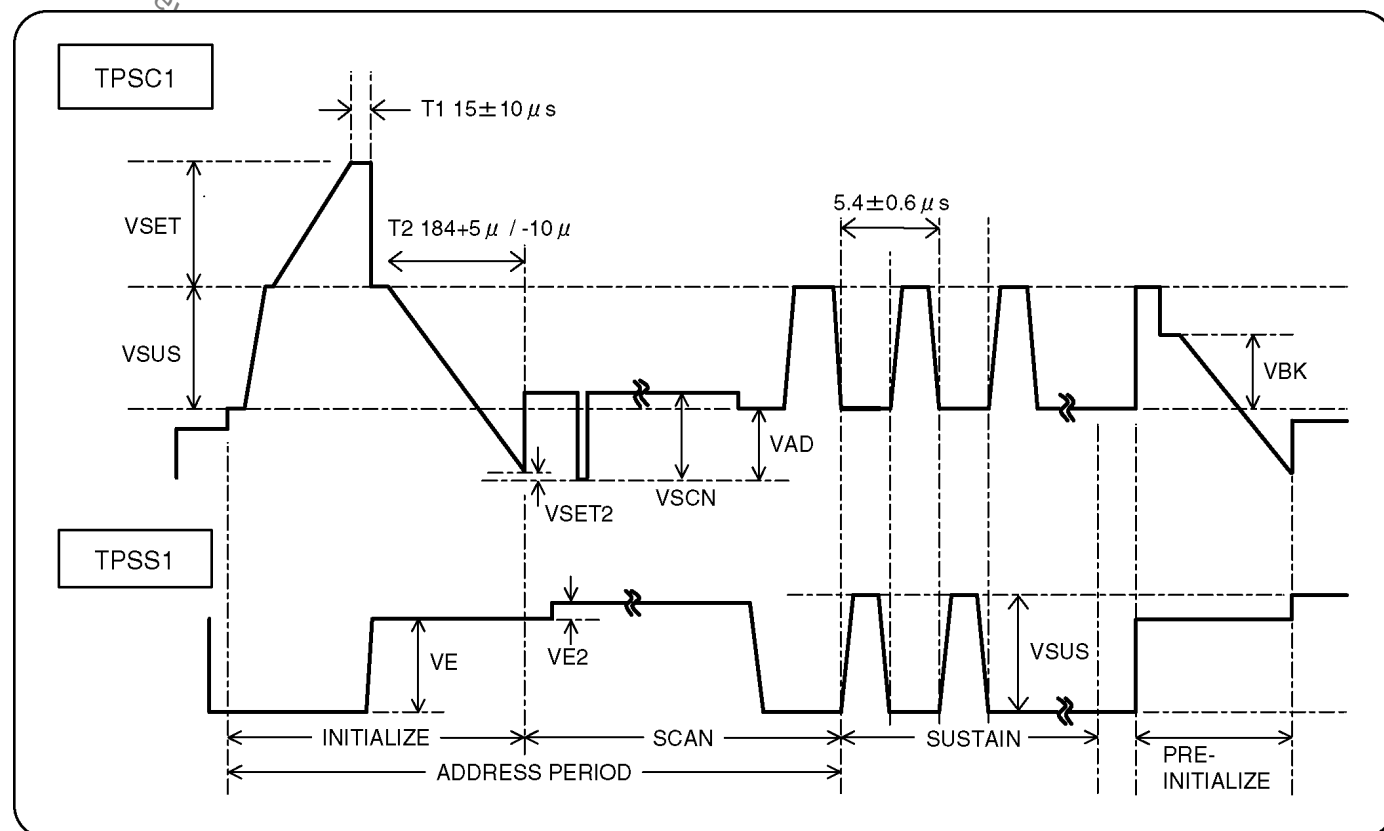
Adjustment voltage

8.2. Initialization Pulse Adjust

1. Input a Cross hatch signal.

Adjust the indicated test point for the specified wave form.

	Test point	Volume	Level
T1	TPSC1 (SC)	---	$15 \pm 10 \mu \text{ Sec}$
T2	TPSC1 (SC)	VR6557 (SC)	$184 + 5 \mu / - 10 \mu \text{ Sec}$



8.3. P.C.B. (Printed Circuit Board) exchange

8.3.1. Caution

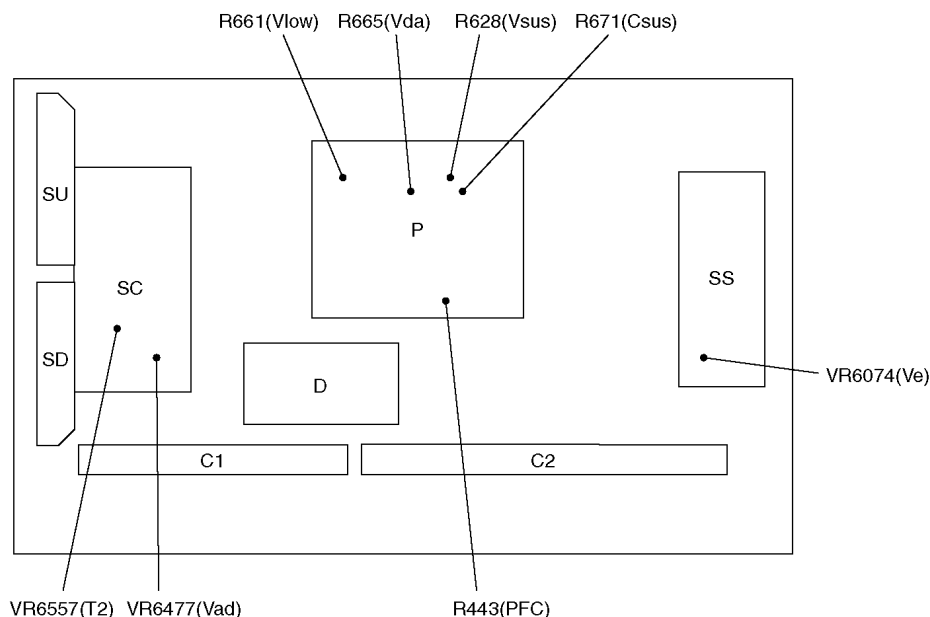
1. To remove P.C.B. , wait 1 minute after power was off for discharge from electrolysis capacitors.

8.3.2. Quick adjustment after P.C.B. exchange

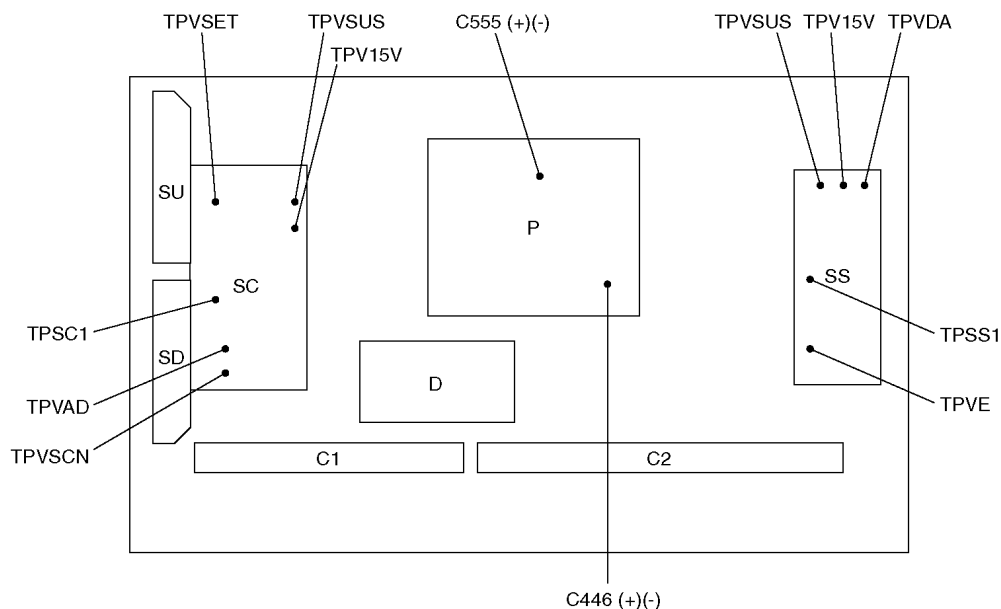
P.C.B.	Name	Test Point	Voltage	Volume	Remarks
P Board	Vsus	TPVSUS (SS)	$V_{sus} \pm 1V$	R628 (P)	*
	Vda	TPVDA (SS)	$67V \pm 1V$	R665 (P)	
SC Board	Vad	TPVAD (SC)	$-90V \pm 1V$	VR6477 (SC)	
SS Board	Ve	TPVE (SS)	$V_e \pm 1V$	VR6074 (SS)	*

*See the Panel label.

8.4. Adjustment Volume Location



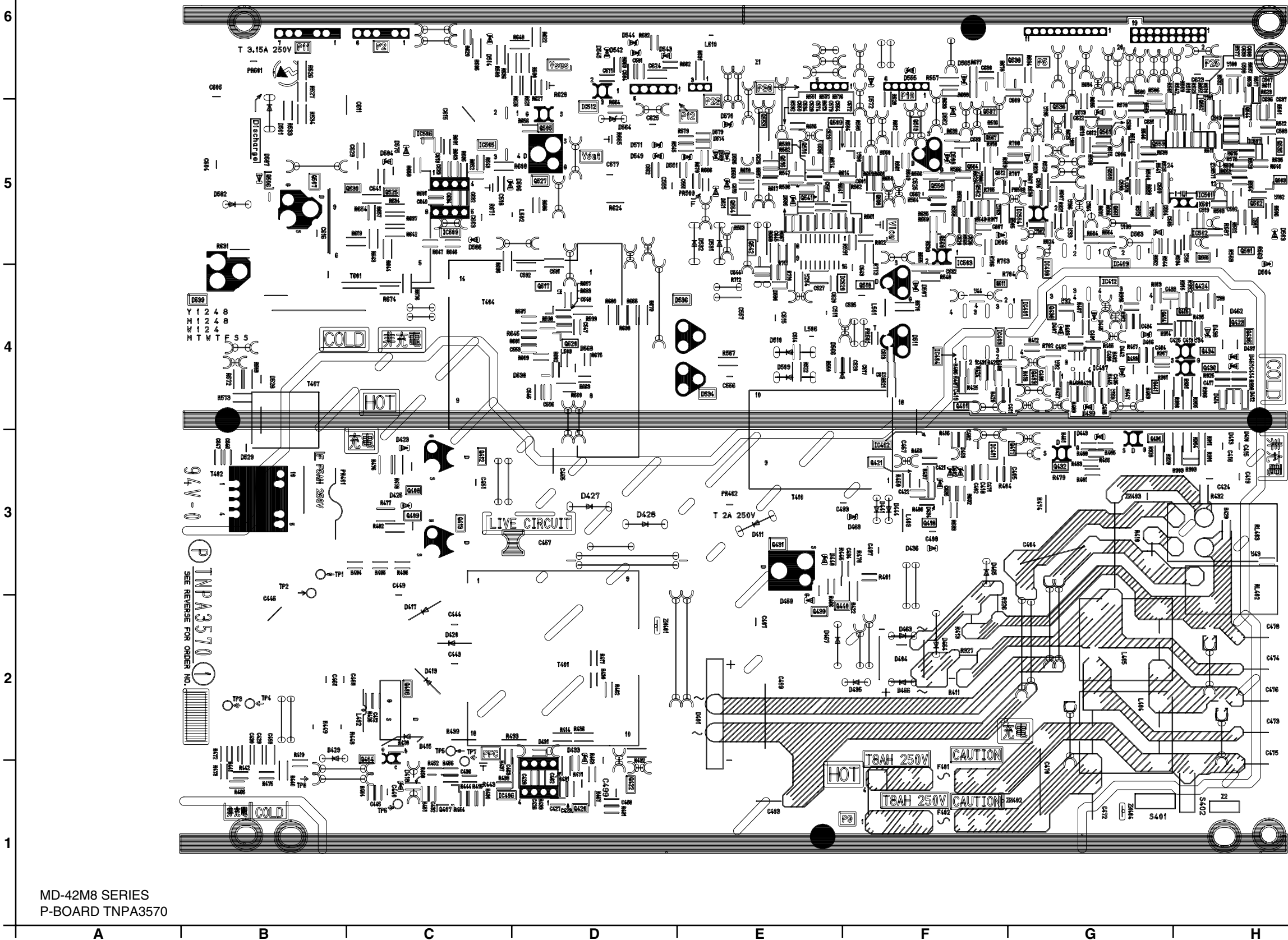
8.5. Test Point Location



9 Conductor View

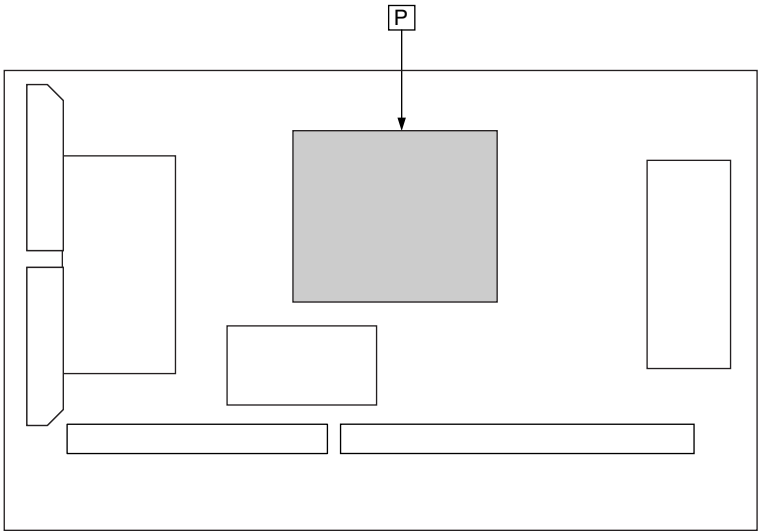
9.1. P-Board

P-BOARD (FOIL SIDE)
TNPA3570



MD-42M8 SERIES
P-BOARD TNPA3570

MD-42M8 SERIES
P-BOARD TNPA3570



Parts Location

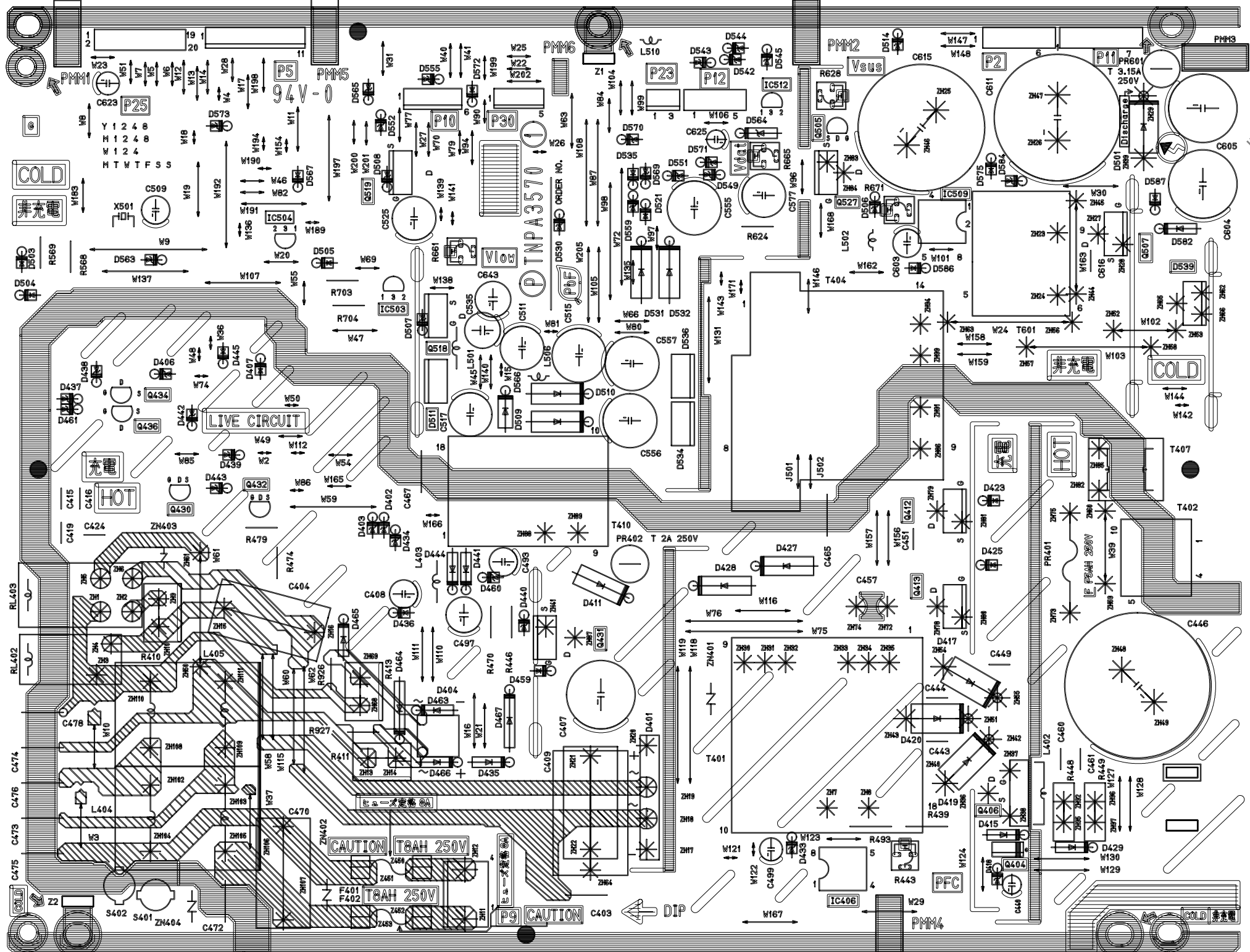
P-BOARD (FOIL SIDE)							
IC		TRANSISTOR		Q441	G-4	Q553	E-5
IC401	G-4	Q401	F-4	Q501	H-5	Q554	E-5
IC402	F-3	Q403	G-4	Q502	H-5	Q557	G-5
IC403	F-4	Q404	C-2	Q503	H-5	Q558	F-5
IC404	F-4	Q406	C-2	Q505	D-5	Q559	G-5
IC406	D-1	Q407	C-1	Q506	B-5	Q560	F-5
IC407	G-4	Q408	C-3	Q507	B-5	Q561	G-5
IC408	G-4	Q409	C-3	Q508	F-5	Q562	F-5
IC409	G-5	Q412	C-3	Q509	E-5	Q564	F-5
IC411	F-3	Q413	C-3	Q510	E-5	Q565	H-5
IC412	G-4	Q414	G-4	Q511	F-4	Q567	F-5
IC431	F-4	Q415	H-4	Q512	F-5	TP	
IC501	H-5	Q417	G-3	Q516	E-5		
IC502	H-5	Q418	F-3	Q517	D-4	TP1	B-3
IC503	F-5	Q420	D-1	Q518	F-4	TP2	B-3
IC504	G-5	Q421	F-3	Q519	F-5	TP3	B-2
IC505	C-5	Q422	D-1	Q520	D-4	TP4	B-2
IC506	C-5	Q423	H-4	Q525	C-5	TP5	C-2
IC507	H-5	Q424	H-4	Q527	D-5	TP6	C-1
IC509	C-5	Q430	G-3	Q530	C-5	TP7	C-1
IC512	D-6	Q431	E-3	Q535	H-5	TP8	B-1
IC520	E-5	Q432	G-3	Q536	G-5		
		Q433	G-4	Q537	F-5		
		Q434	H-4	Q538	G-6		
		Q435	H-4	Q541	E-5		
		Q436	H-4	Q542	E-5		
		Q438	G-4	Q544	H-5		
		Q439	E-2	Q550	G-5		
		Q440	E-2	Q551	G-5		
				Q552	H-5		

Parts Location

P-BOARD (COMPONENT SIDE)			
IC		TRANSISTOR	
IC406	F-1	Q404	G-1
IC503	D-5	Q406	G-2
IC504	C-5	Q412	G-3
IC509	G-5	Q413	G-3
IC512	F-6	Q430	B-3
		Q431	D-3
		Q432	C-3
		Q434	B-4
		Q436	B-4
		Q505	F-5
		Q507	G-5
		Q518	D-4
		Q519	D-5
		Q527	F-5

P-BOARD (COMPONENT SIDE)
TNPA3570

6
5
4
3
2
1



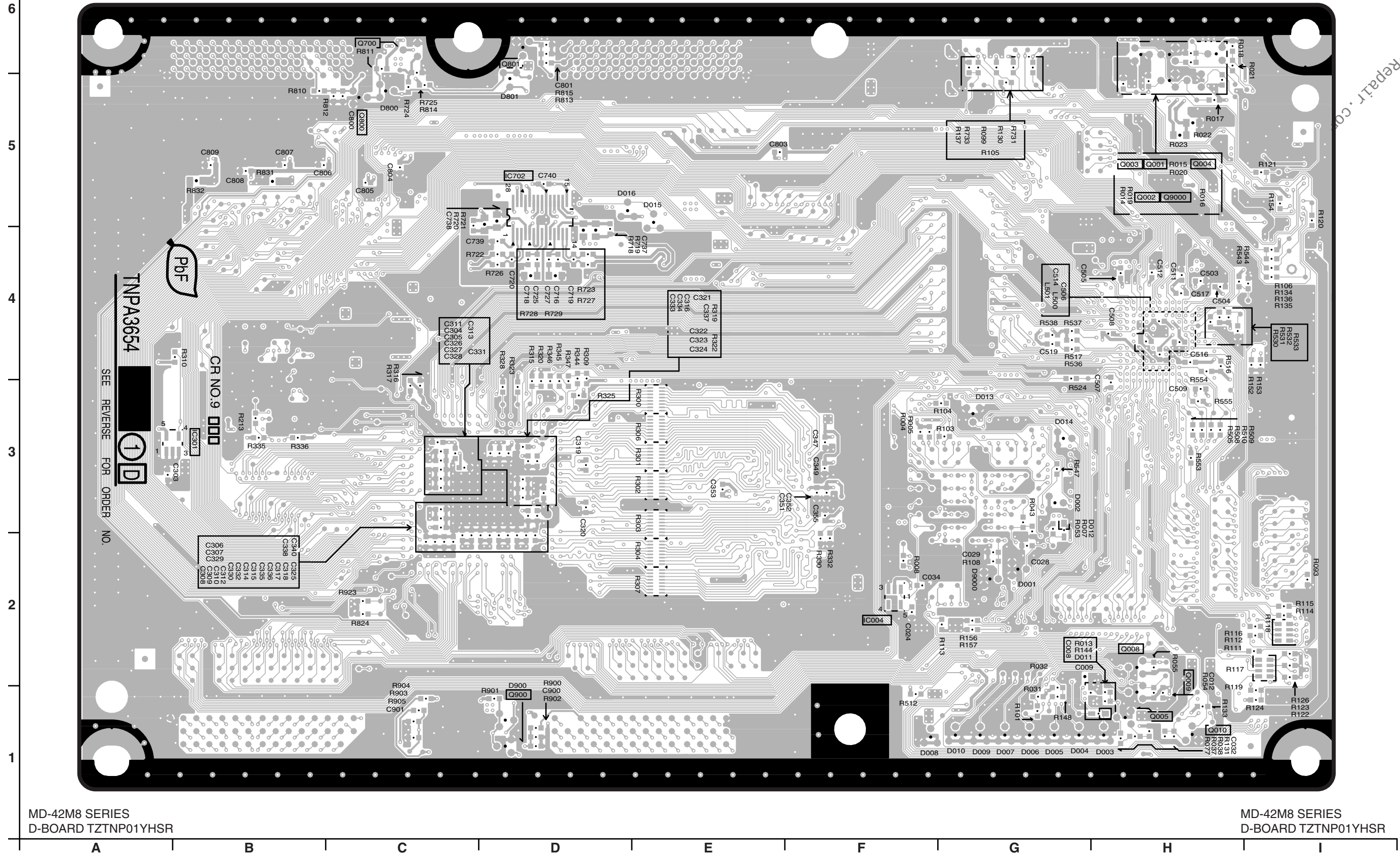
MD-42M8 SERIES
P-BOARD TNPA3570

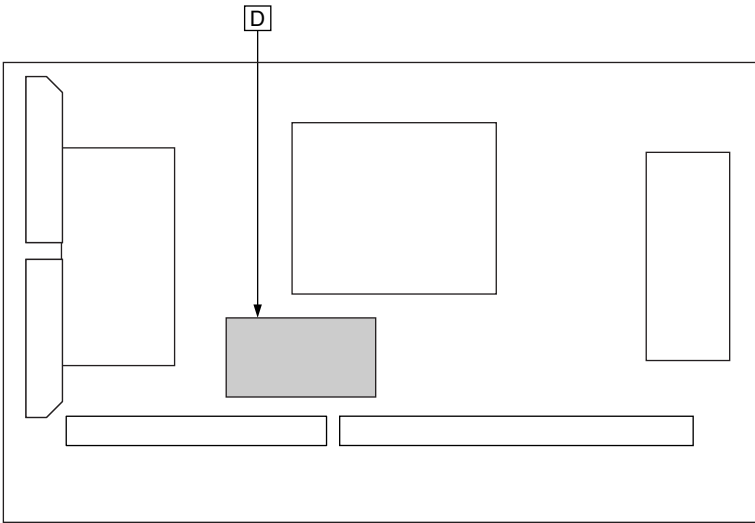
MD-42M8 SERIES
P-BOARD TNPA3570

A B C D E F G H I

9.2. D-Board

DBOARD (FOIL SIDE)
TZTNP01YHSR





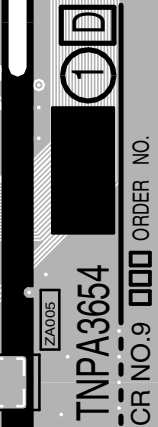
Parts Location

D-BOARD (FOIL SIDE)			
IC		TRANSISTOR	
IC9004	F-2	Q9000	H-5
IC9301	B-3	Q9001	H-5
IC9702	D-5	Q9002	H-5
		Q9003	H-5
		Q9004	H-5
		Q9005	H-1
		Q9008	H-2
		Q9009	H-1
		Q9010	H-1
		Q9700	C-6
		Q9800	C-5
		Q9801	D-6
		Q9900	D-1

Parts Location

D-BOARD (COMPONENT SIDE)					
IC		TRANSISTOR		TP	
IIC9001	B-1	Q9011	B-2	TP013	B-1
IC9003	C-2	Q9012	D-2	TP300	F-4
IC9005	B-3	Q9013	D-2	TP301	G-4
IC9006	A-2	Q9020	B-2	TP700	F-5
IC9007	A-1	Q9021	D-2		
IC9008	B-5	Q9022	B-3		
IC9200	H-4	Q9023	D-2		
IC9300	G-2	Q9500	C-4		
IC9302	E-2	Q9701	E-5		
IC9303	G-2	Q9702	G-5		
IC9500	B-4	Q9703	F-5		
IC9502	C-2	Q9704	F-5		
IC9503	C-2	Q9901	G-1		
IC9504	B-5				
IC9700	E-4				
IC9810	D-4				
IC9811	E-5				
IC9812	G-5				
IC9813	G-4				
IC9814	H-4				
IC9815	H-4				
IC9816	H-4				
IC9817	H-4				

D-BOARD (COMPONENT SIDE)
TZTNP01YHSR



MD-42M8 SERIES
D-BOARD TZTNP01YHSR

9.3. C1-Board

6

5

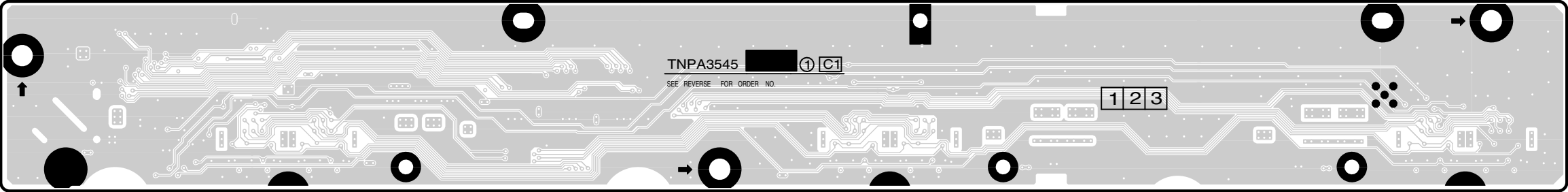
4

3

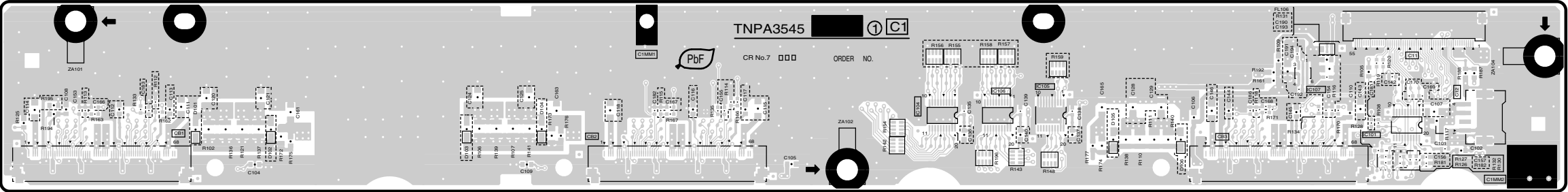
2

1

C1-BOARD(FOIL SIDE)
TNPA3545



C1-BOARD(COMPONENT SIDE)
TNPA3545

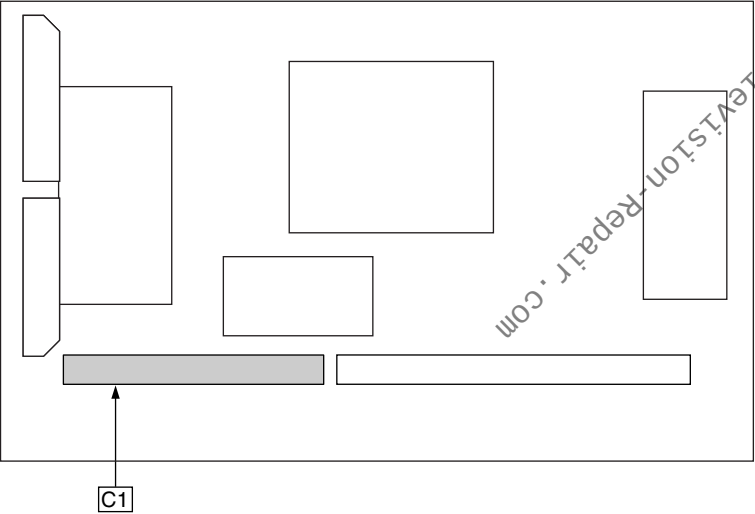


MD-42M8 SERIES
C1-BOARD TNPA3545

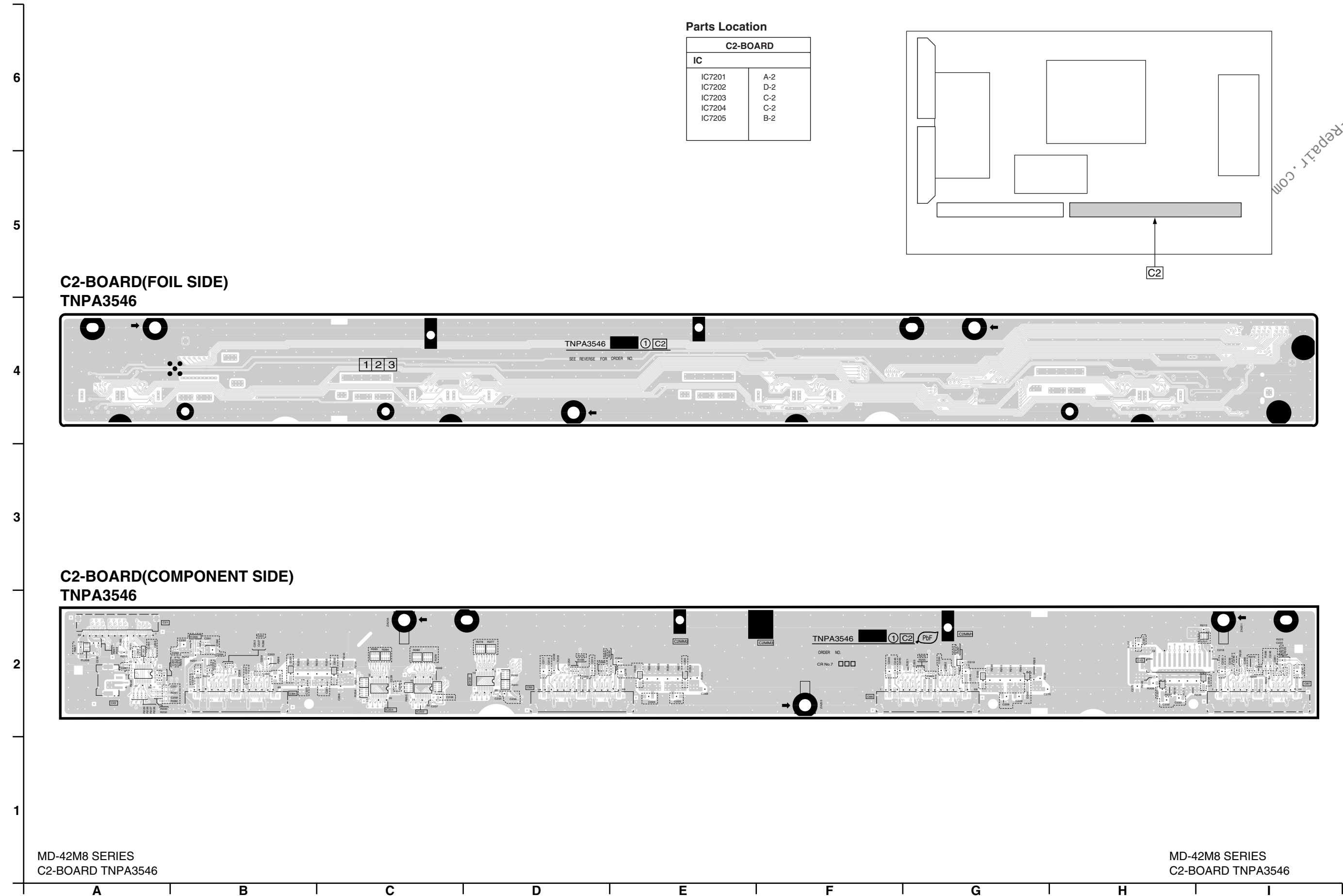
MD-42M8 SERIES
C1-BOARD TNPA3545

Parts Location

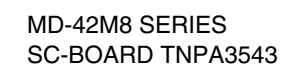
C1-BOARD	
IC	
IC7101	H-1
IC7104	E-2
IC7105	F-2
IC7106	F-2
IC7107	G-2

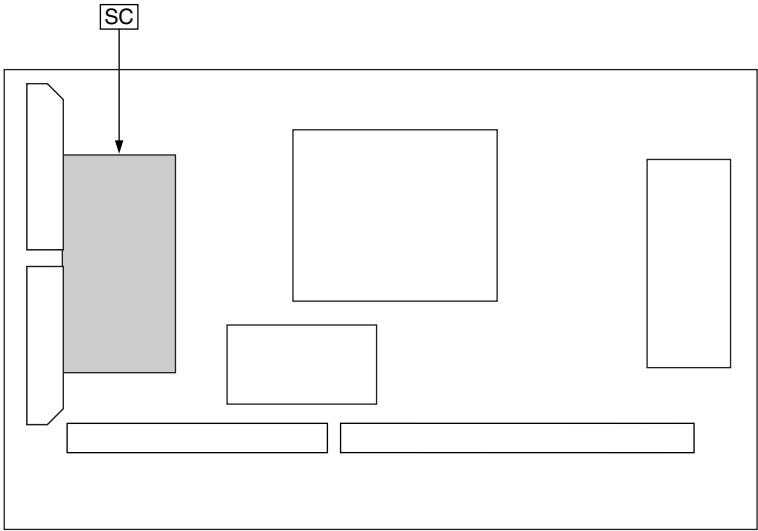


9.4. C2-Board



9.5.





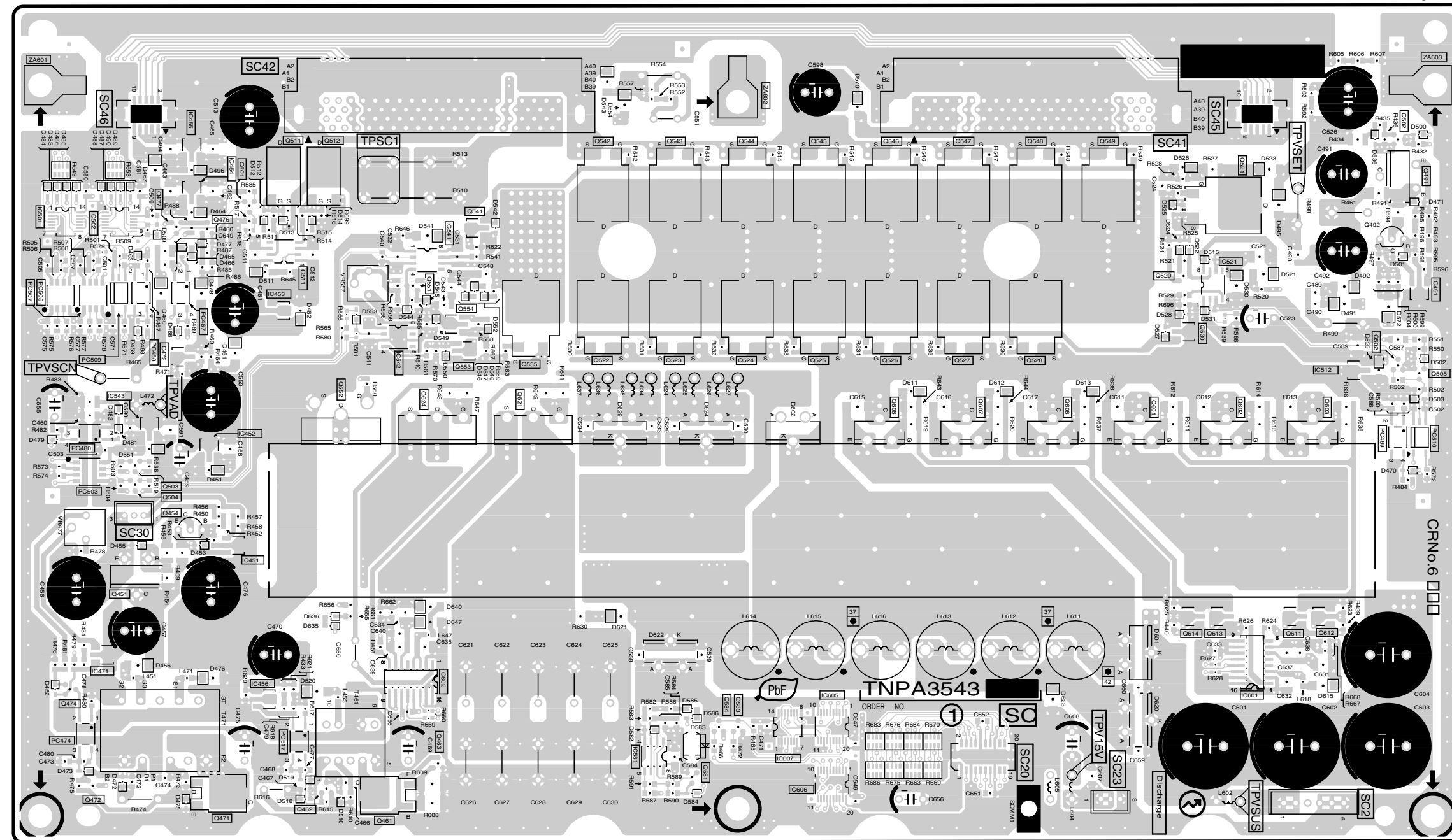
Parts Location

SC-BOARD (FOIL SIDE)					
TRANSISTOR		TP		TP6032	E-1
Q6451	H-2	TP6001	B-1	TP6033	D-1
Q6454	H-3	TP6002	B-1	TP6034	B-1
Q6491	A-4	TP6004	B-1	TP6035	B-1
Q6492	A-4	TP6005	B-1	TP6038	C-1
Q6552	G-3	TP6006	C-1	TP6039	C-1
Q6601	C-3	TP6007	C-1	TP6040	C-5
Q6602	B-3	TP6008	C-1	TP6041	C-5
Q6603	B-3	TP6009	C-1	TP6042	C-5
Q6606	D-3	TP6010	C-1	TP6043	C-5
Q6607	C-3	TP6011	C-1	TP6044	C-5
Q6608	C-3	TP6012	D-1	TP6045	C-5
Q6621	F-3	TP6013	D-1	TP6046	G-5
Q6624	F-3	TP6014	C-1	TP6047	G-5
		TP6015	C-1	TP6048	G-5
		TP6016	D-1	TP6049	G-5
		TP6017	D-1	TP6050	G-5
		TP6018	C-1	TP6051	G-5
		TP6019	C-1	TP6052	C-1
		TP6020	C-1	TP6053	G-3
		TP6021	C-1	TP6054	C-5
		TP6022	C-1	TP6055	C-5
		TP6023	C-1	TP6056	C-5
		TP6024	C-1	TP6057	C-5
		TP6025	C-1	TP6058	C-5
		TP6026	C-1	TP6059	F-5
		TP6027	C-1	TP6060	F-5
		TP6028	G-1	TP6061	F-5
		TP6029	F-1	TP6062	F-5
		TP6030	F-1	TP6063	F-5
		TP6031	E-1	TP6064	B-4

Parts Location

SC-BOARD (COMPONENT SIDE)							
IC		TRANSISTOR		Q6541	C-4	TP	
IC6451	B-2	Q6451	A-2	Q6542	D-4	TPSC1	C-5
IC6452	B-3	Q6454	B-3	Q6543	D-4	TPV15V	F-1
IC6453	B-4	Q6461	C-1	Q6544	E-4	TPVAD	B-3
IC6454	B-4	Q6462	B-1	Q6545	E-4	TPVSCN	A-3
IC6455	B-5	Q6463	C-1	Q6546	E-4	TPVSET	G-5
IC6456	B-2	Q6471	B-1	Q6547	F-4	TPVSUS	G-1
IC6471	A-2	Q6472	A-1	Q6548	F-4		
IC6472	B-3	Q6474	A-2	Q6549	G-4		
IC6491	H-4	Q6476	B-4	Q6551	C-4		
IC6501	A-4	Q6477	B-4	Q6552	C-3		
IC6502	A-4	Q6491	H-4	Q6553	C-3		
IC6511	B-4	Q6492	H-4	Q6554	C-4		
IC6512	H-3	Q6501	B-4	Q6555	D-3		
IC6521	G-4	Q6502	H-3	Q6581	D-1		
IC6541	C-4	Q6503	B-3	Q6582	H-5		
IC6542	C-3	Q6504	B-3	Q6583	E-2		
IC6543	A-3	Q6505	H-3	Q6584	E-2		
IC6581	D-1	Q6511	B-4	Q6601	G-3		
IC6601	G-2	Q6512	B-4	Q6602	G-3		
IC6602	C-2	Q6520	G-4	Q6603	H-3		
IC6605	E-2	Q6521	G-4	Q6606	E-3		
IC6606	E-1	Q6522	D-3	Q6607	F-3		
IC6607	E-1	Q6523	D-3	Q6608	F-3		
		Q6524	E-3	Q6611	H-2		
		Q6525	E-3	Q6612	H-2		
		Q6526	E-3	Q6613	G-2		
		Q6527	F-3	Q6614	G-2		
		Q6528	F-3	Q6621	D-3		
		Q6530	G-4	Q6624	C-3		

SC-BOARD(COMPONENT SIDE)
TNPA3543

MD-42M8 SERIES
SC-BOARD TNPA3543MD-42M8 SERIES
SC-BOARD TNPA3543

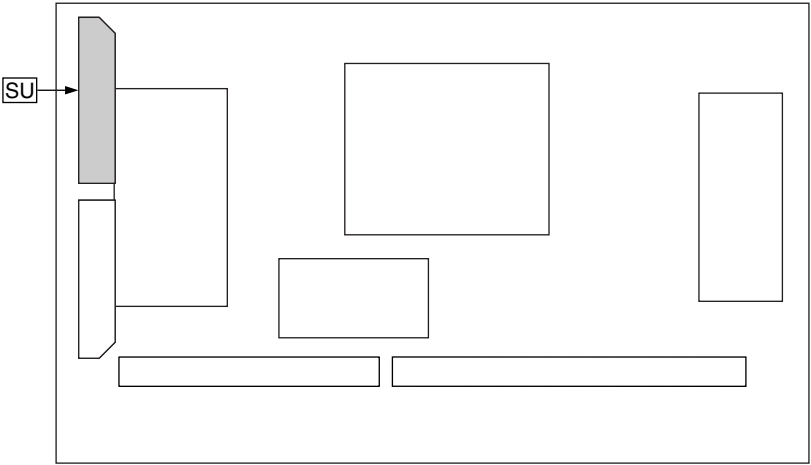
9.6. SU-Board

6
5
4
3
2
1

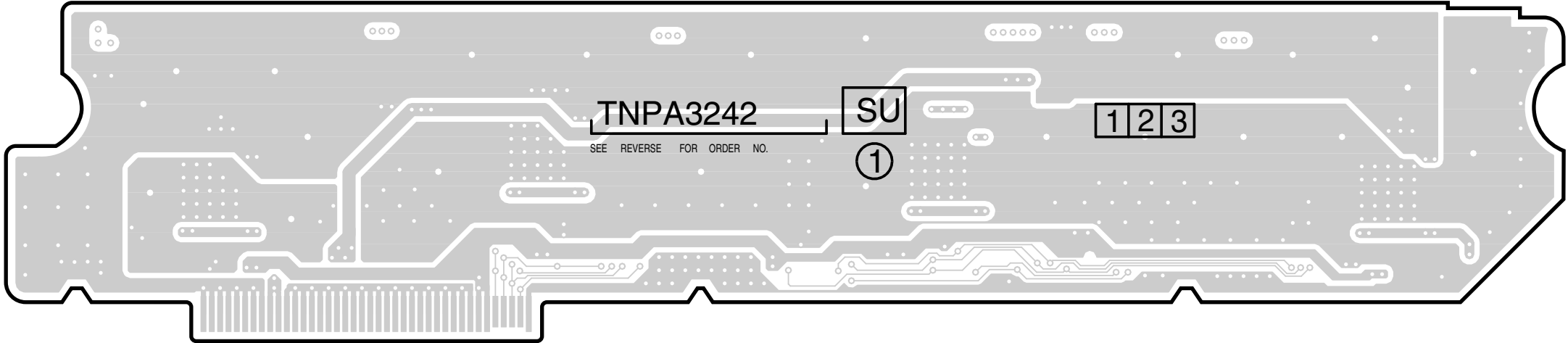
A B C D E F G H I

Parts Location

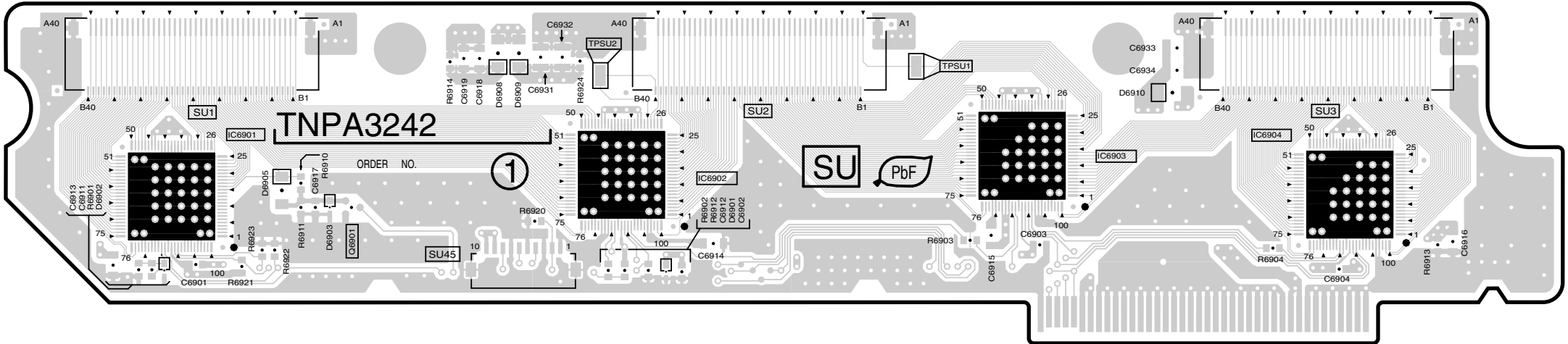
SU-BOARD			
IC		TRANSISTOR	
IC6901	B-2	Q6901	C-1
IC6902	D-2	TP	
IC6903	F-2		
IC6904	G-2	TPSU1	D-2
		TPSU2	E-2



SU-BOARD (FOIL SIDE)
TNPA3242



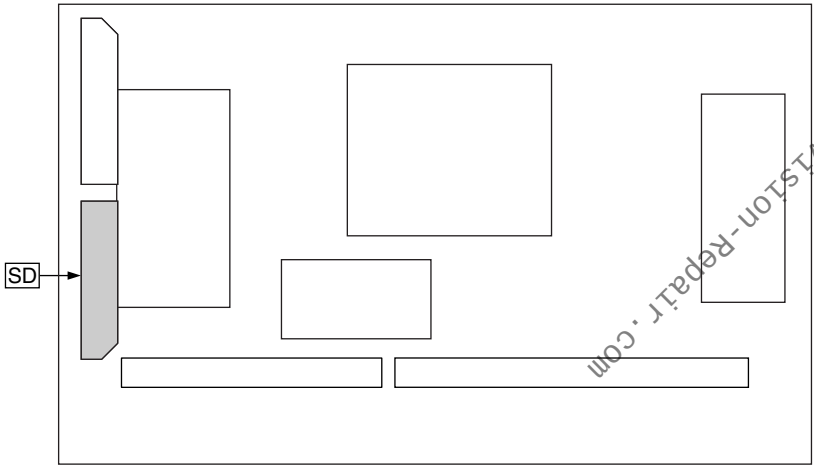
SU-BOARD (COMPONENT SIDE)
TNPA3242



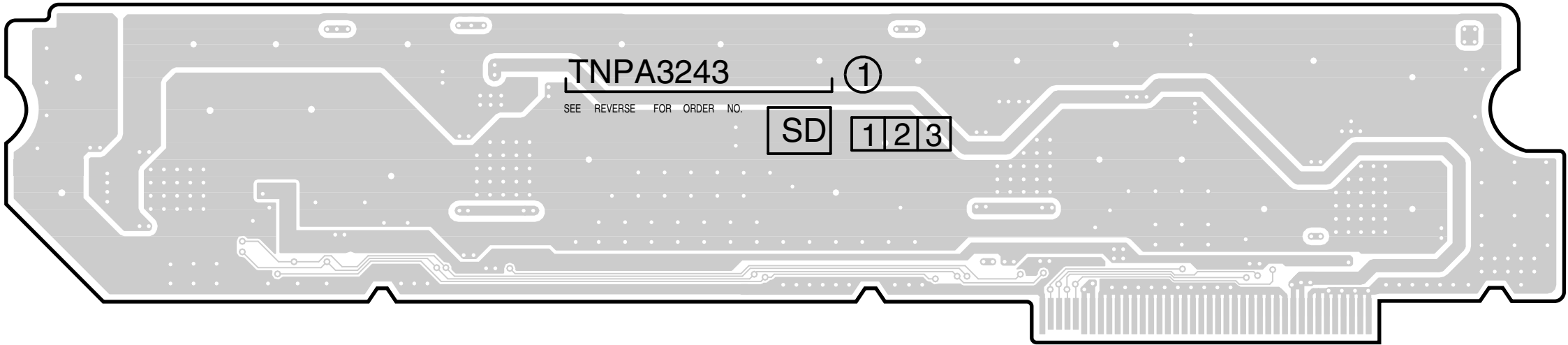
9.7. SD-Board

Parts Location

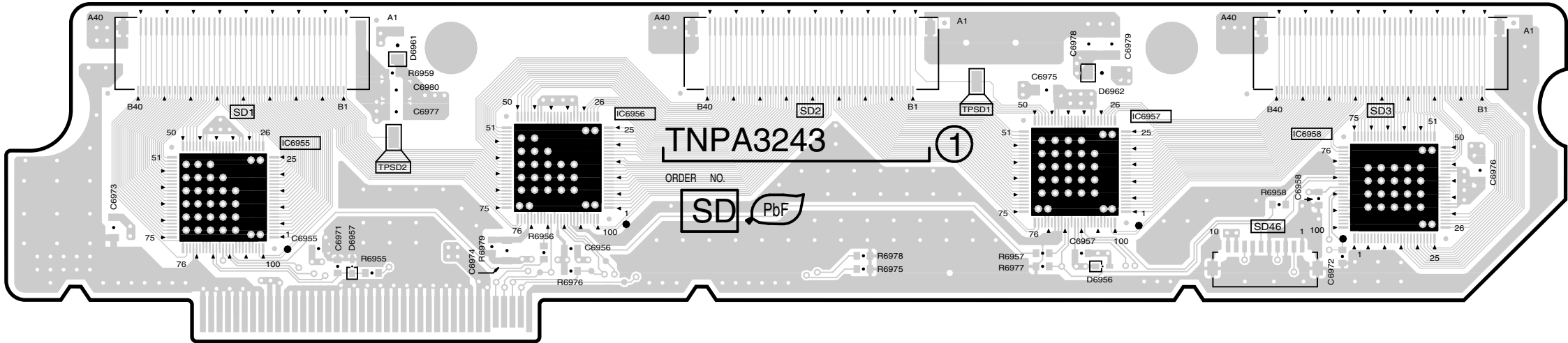
SD-BOARD			
IC		TRANSISTOR	
IC6955	B-2	TPSD1	F-2
IC6956	D-2	TPSD2	C-2
IC6957	F-2		
IC6958	G-2		



SD-BOARD (FOIL SIDE)
TNPA3243



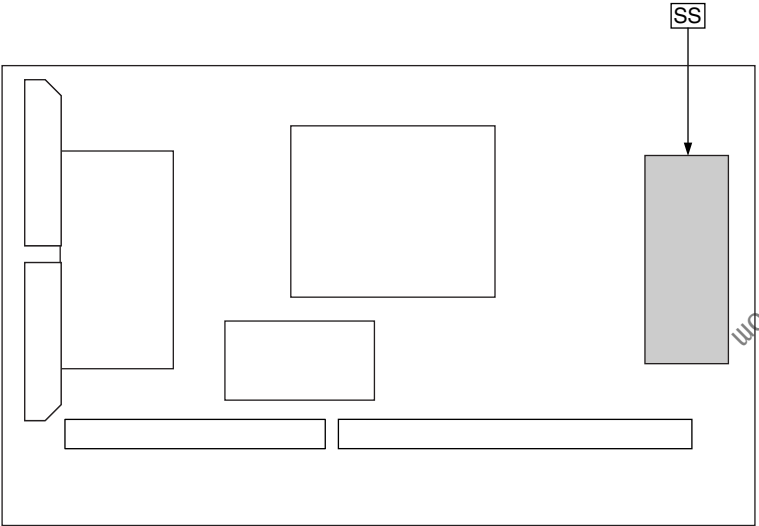
SD-BOARD (COMPONENT SIDE)
TNPA3243



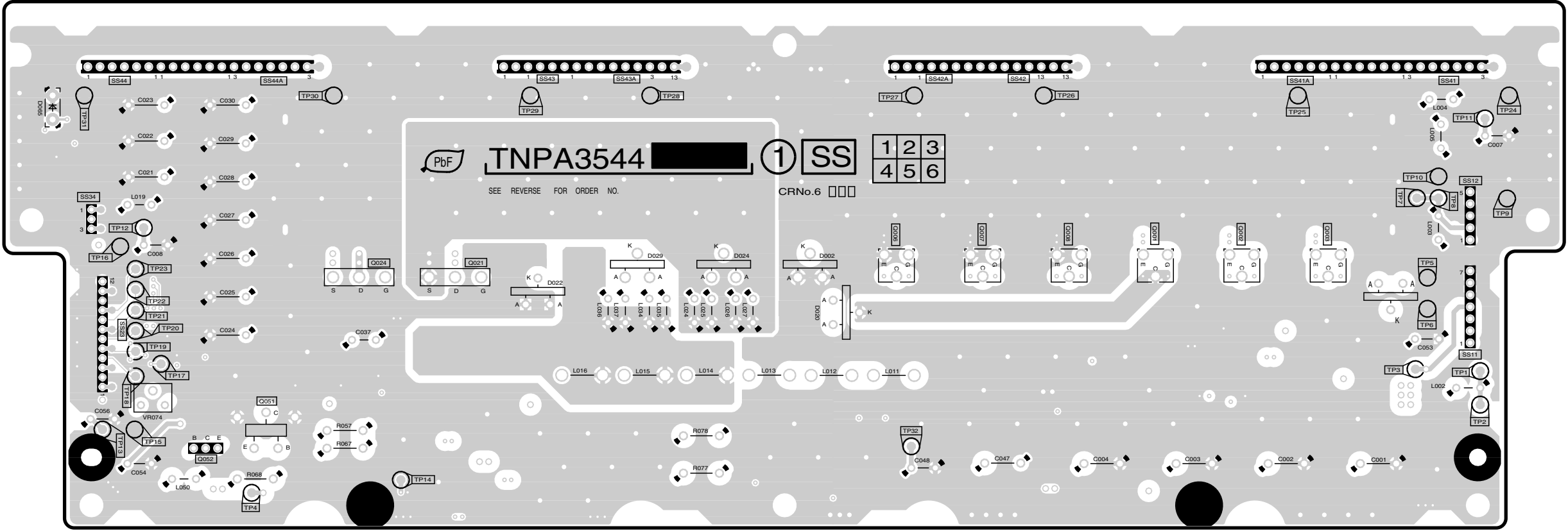
9.8. SS-Board

Parts Location

SS-BOARD (FOIL SIDE)					
TRANSISTOR		TP			
Q6001	G-2	TP6001	H-1	TP6016	B-2
Q6002	G-2	TP6002	H-1	TP6017	B-2
Q6003	H-2	TP6003	H-1	TP6018	B-2
Q6006	E-2	TP6004	B-1	TP6019	B-2
Q6007	F-2	TP6005	H-2	TP6020	B-2
Q6008	F-2	TP6006	H-2	TP6021	B-2
Q6021	C-2	TP6007	H-2	TP6022	B-2
Q6024	C-2	TP6008	H-2	TP6023	B-2
Q6051	B-1	TP6009	H-2	TP6024	I-3
Q6052	B-1	TP6010	H-2	TP6025	G-3
		TP6011	H-3	TP6026	F-3
		TP6012	B-2	TP6027	F-3
		TP6013	A-1	TP6028	D-3
		TP6014	C-1	TP6029	D-3
		TP6015	A-1	TP6030	C-3
				TP6031	A-3
				TP6032	E-1

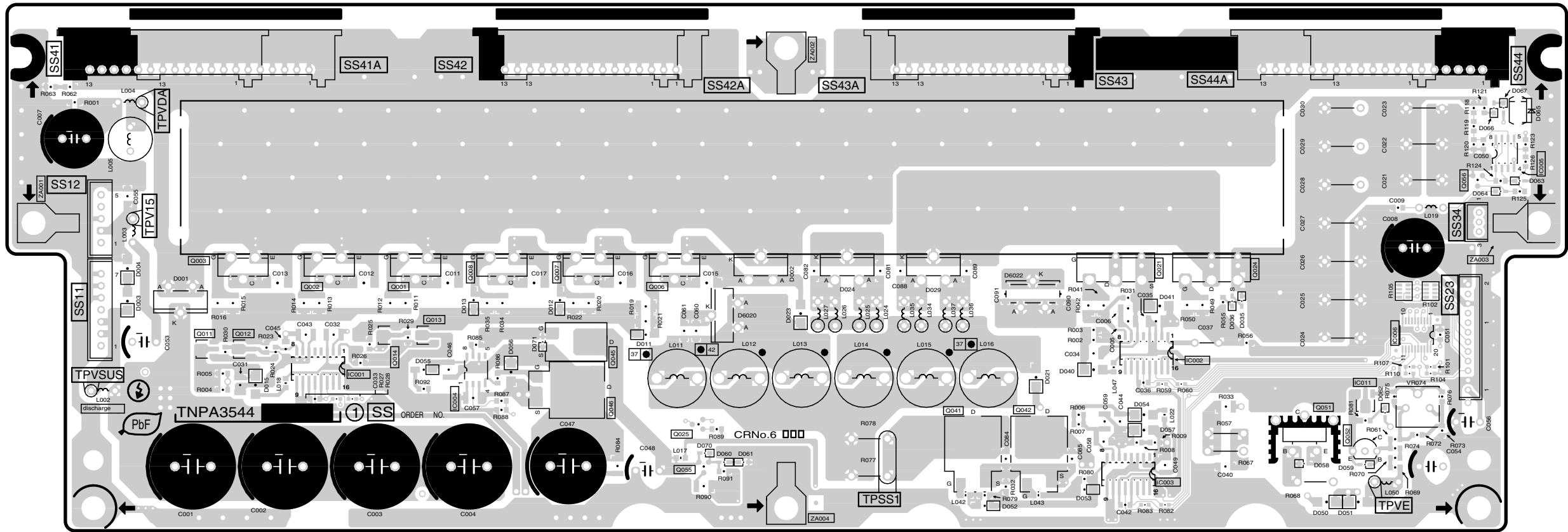


SS-BOARD(FOIL SIDE)
TNPA3544



6
5
4
3
2
1

SS-BOARD(COMPONENT SIDE)
TNPA3544

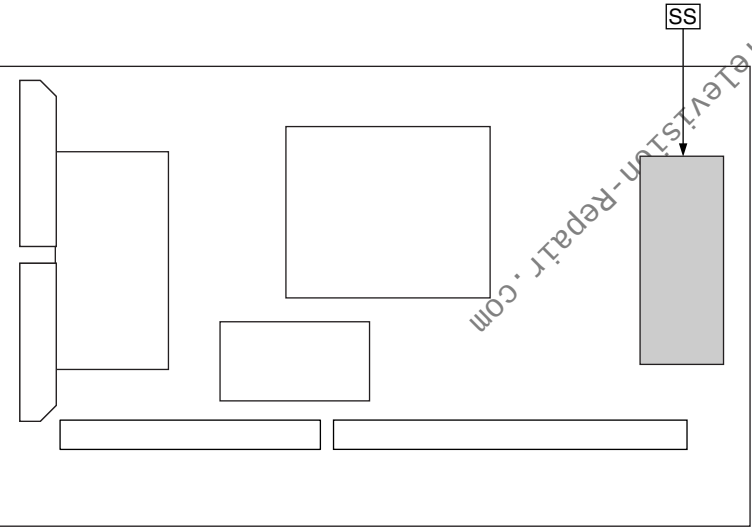


MD-42M8 SERIES
SS-BOARD TNPA3544

MD-42M8 SERIES
SS-BOARD TNPA3544

Parts Location

SS-BOARD (COMPONENT SIDE)					
IC		TRANSISTOR			
IC6001	C-2	Q6001	C-2	Q6045	D-2
IC6002	G-2	Q6002	B-2	Q6046	D-2
IC6003	G-1	Q6003	B-2	Q6051	H-1
IC6004	C-2	Q6006	D-2	Q6052	H-1
IC6005	I-3	Q6007	D-2	Q6055	D-1
IC6006	H-2	Q6008	C-2	Q6056	H-3
IC6011	H-2	Q6011	B-2	TP	
		Q6012	B-2	TPSS1	E-1
		Q6013	C-2	TPSUS	A-2
		Q6014	C-2	TPV15	B-3
		Q6021	G-2	TPVDA	B-3
		Q6024	G-2	TPVE	H-1
		Q6025	D-1		
		Q6041	F-1		
		Q6042	F-1		



10 Block and Schematic Diagram

10.1. Schematic Diagram Notes

Important Safety Notice

Components identified by $\triangle$ mark have special characteristics important for safety.
When replacing any of these components, use only manufacture's specified parts.

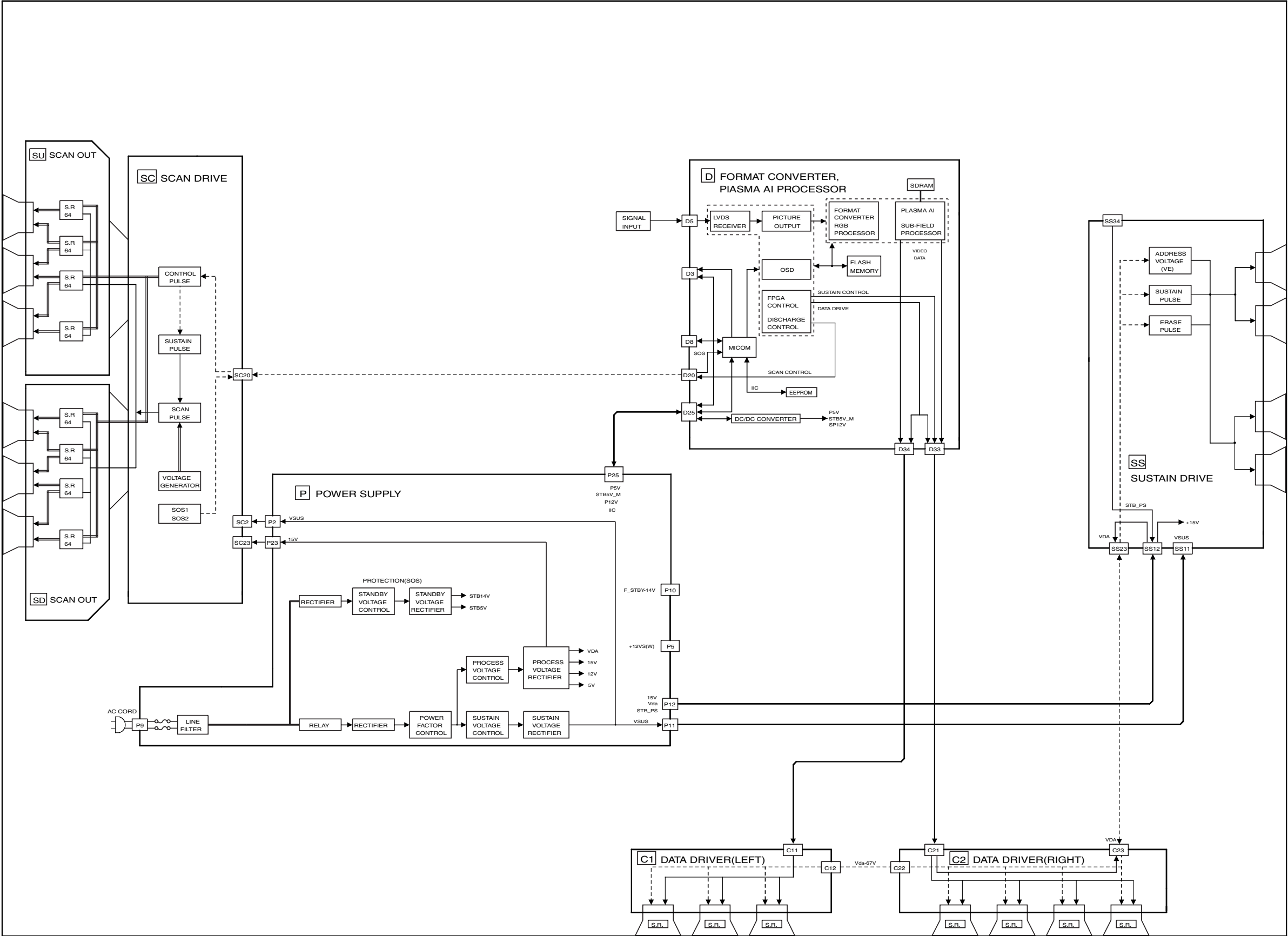
Notes:

- 1. **Resistor**
Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).
- 2. **Capacitor**
Unit of capacitance is μ F, unless otherwise noted.
- 3. Coil
Unit of inductance is H, unless otherwise noted.
- 4. Test Point
 : Test Point position
- 5. Earth Symbol
 : Chassis Earth (Cold)  : Line Earth (Hot)
- 6. Voltage Measurement
Voltage is measured by a DC voltmeter.
Conditions of the measurement are the following:
Power Source AC100-240V
50/60Hz
Receiving Signal Colour Bar signal
- 7. When arrow mark () is found, connection is easily found from the direction of arrow.
- 8. Indicates the major signal flow. : Video  Audio 
- 9. This schematic diagram is the latest at the time of printing and subject to change without notice.

Remarks:

- 1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions.
All circuits, except the Power Circuit, are cold.
Precautions
 - a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
 - b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
 - c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
Connect the earth of instruments to the earth connection of the circuit being measured.
 - d. Make sure to disconnect the power plug before removing the chassis.

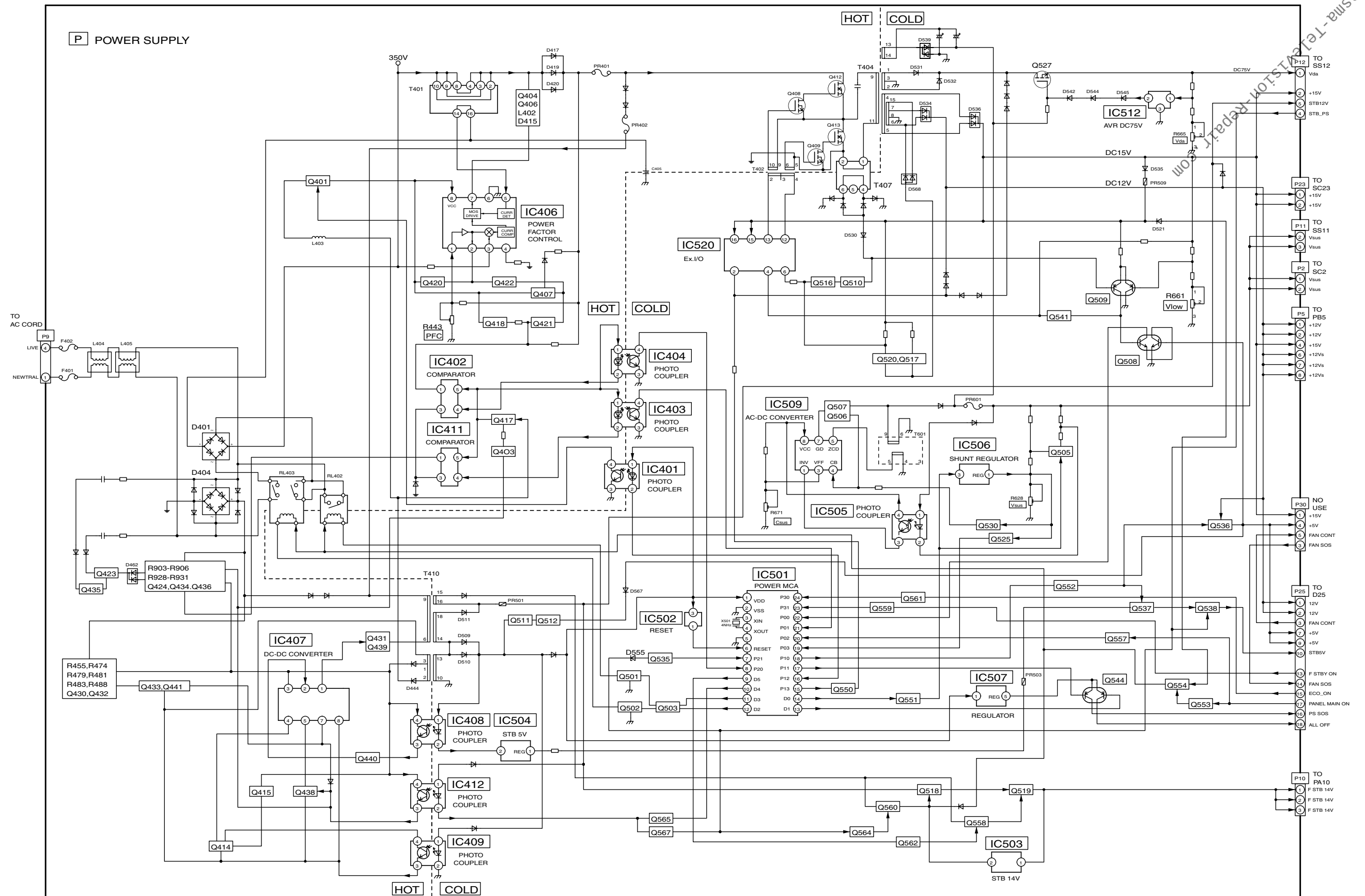
10.2. Main Block Diagram



MD-42M8 SERIES
Main Block Diagram

MD-42M8 SERIES
Main Block Diagram

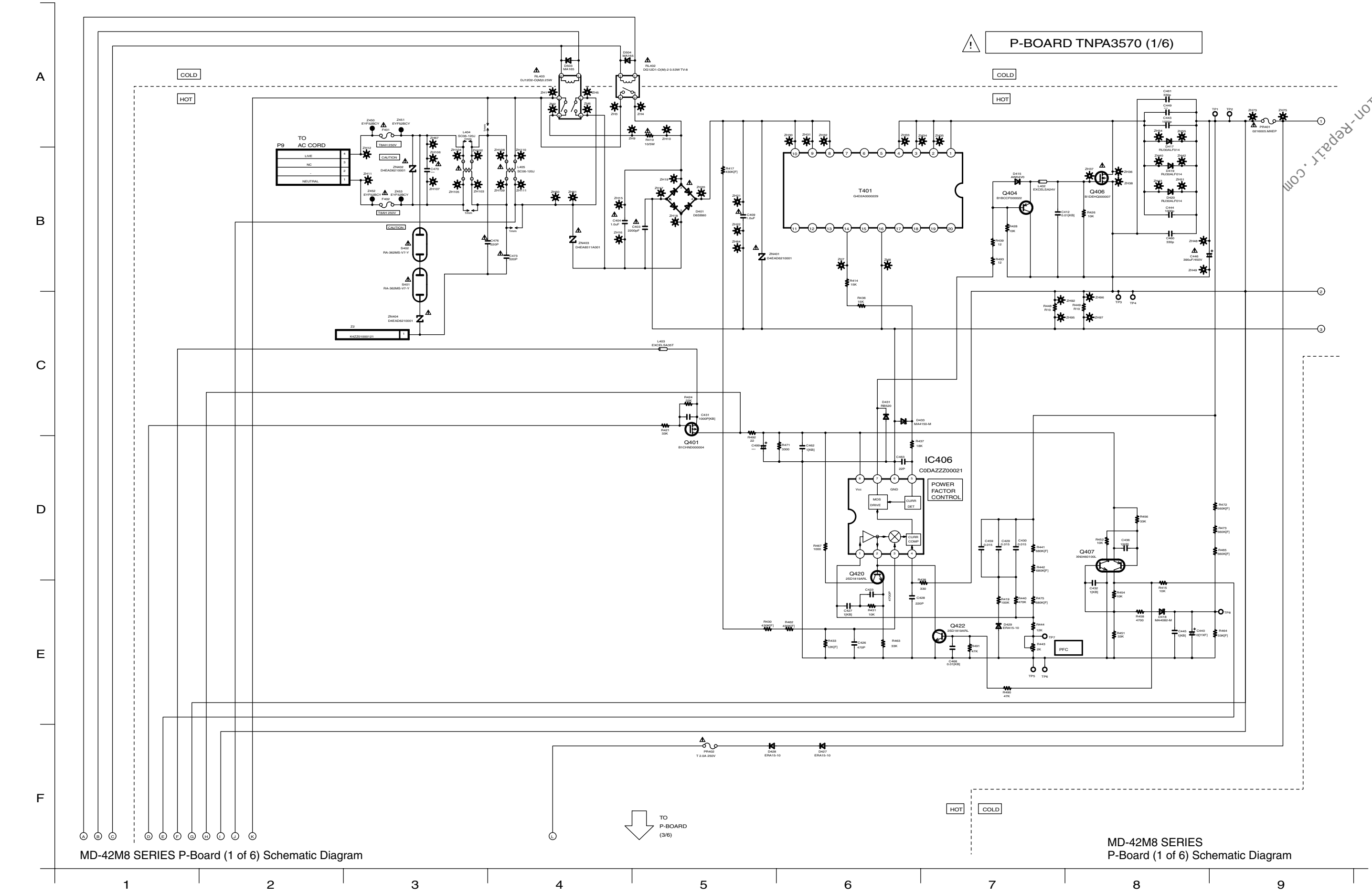
10.3. P-Board Block Diagram



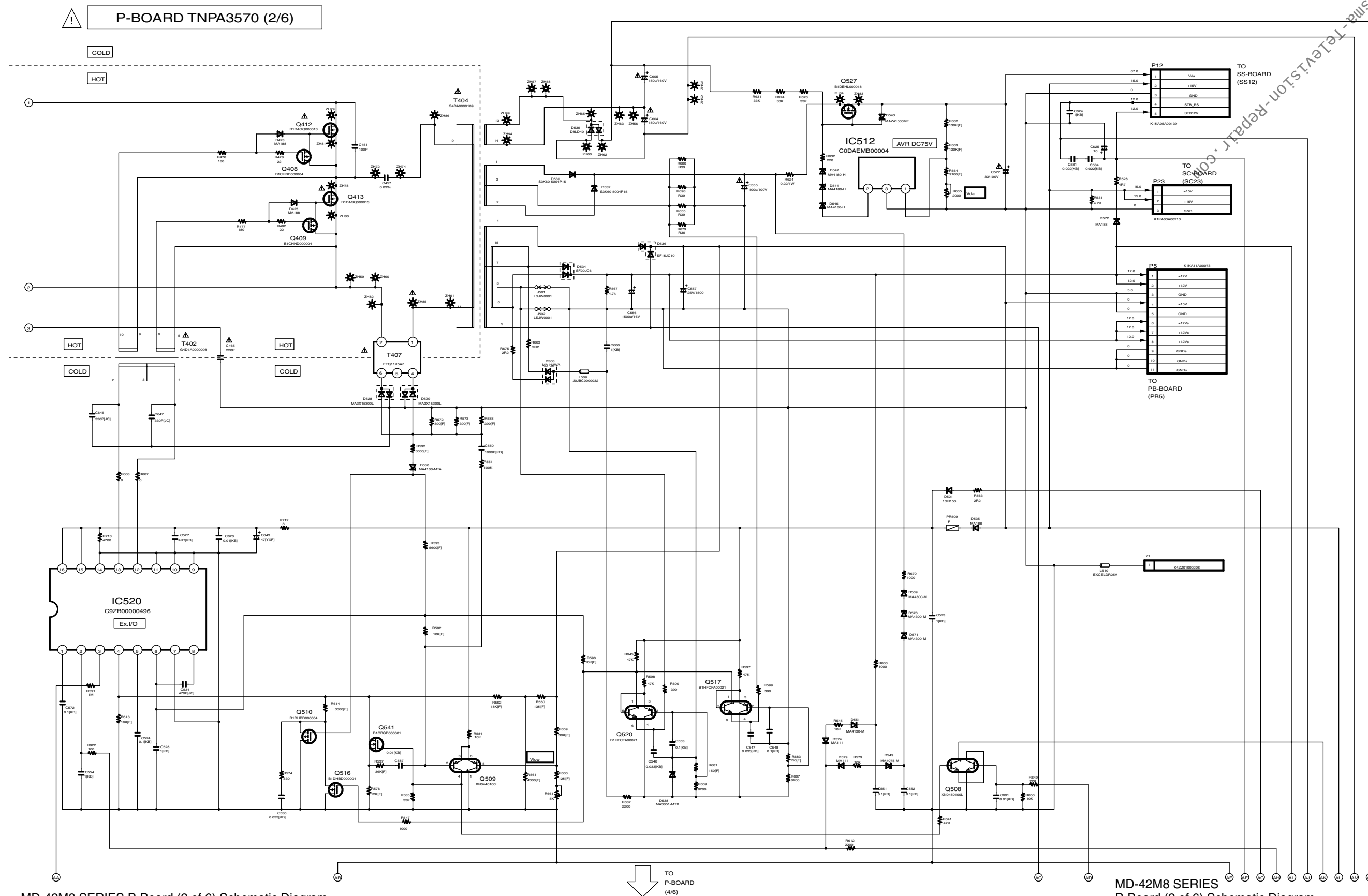
MD-42M8 SERIES P-Board Block Diagram

MD-42M8 SERIES P-Board Block Diagram

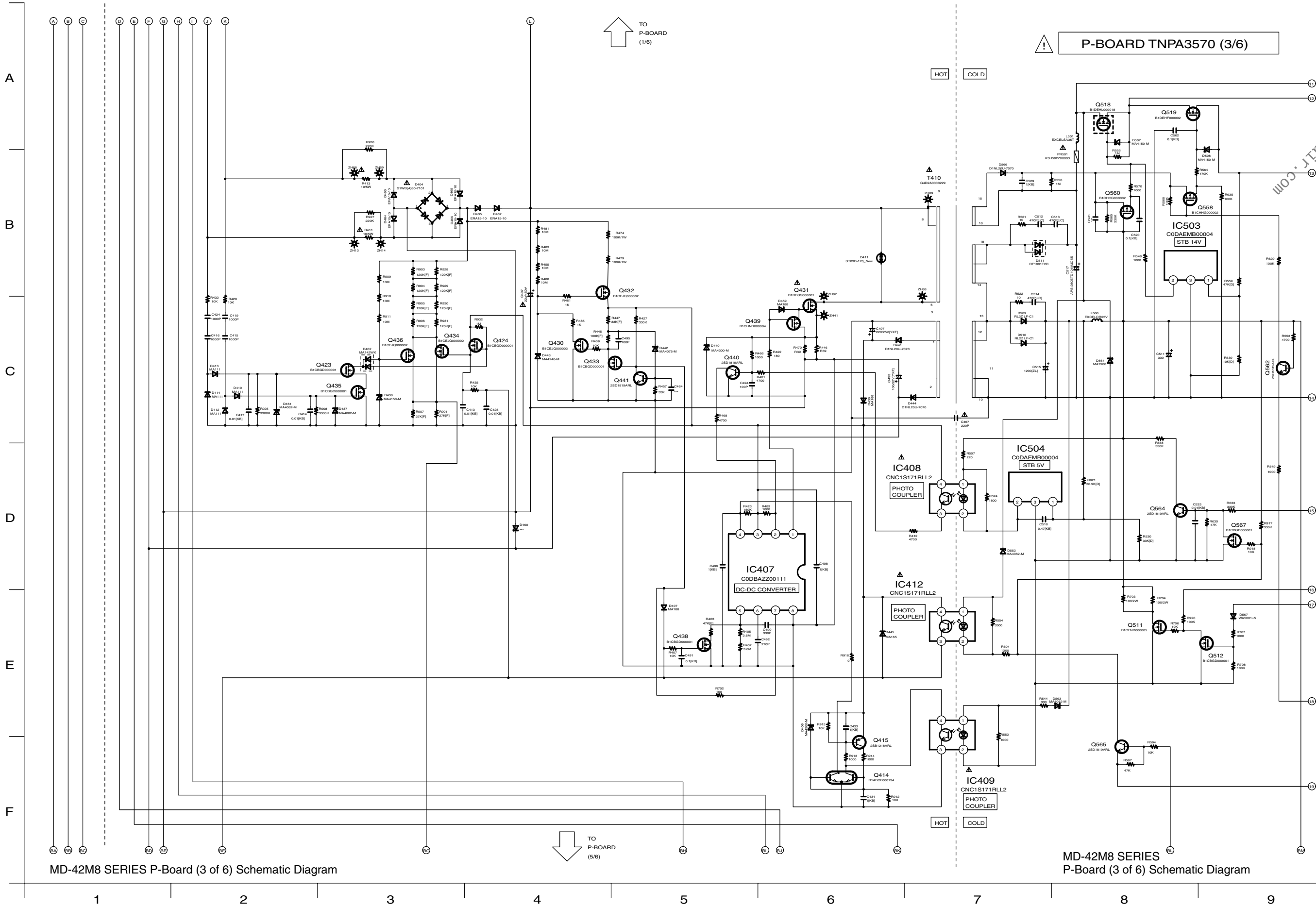
10.4. P-Board (1 of 6) Schematic Diagram



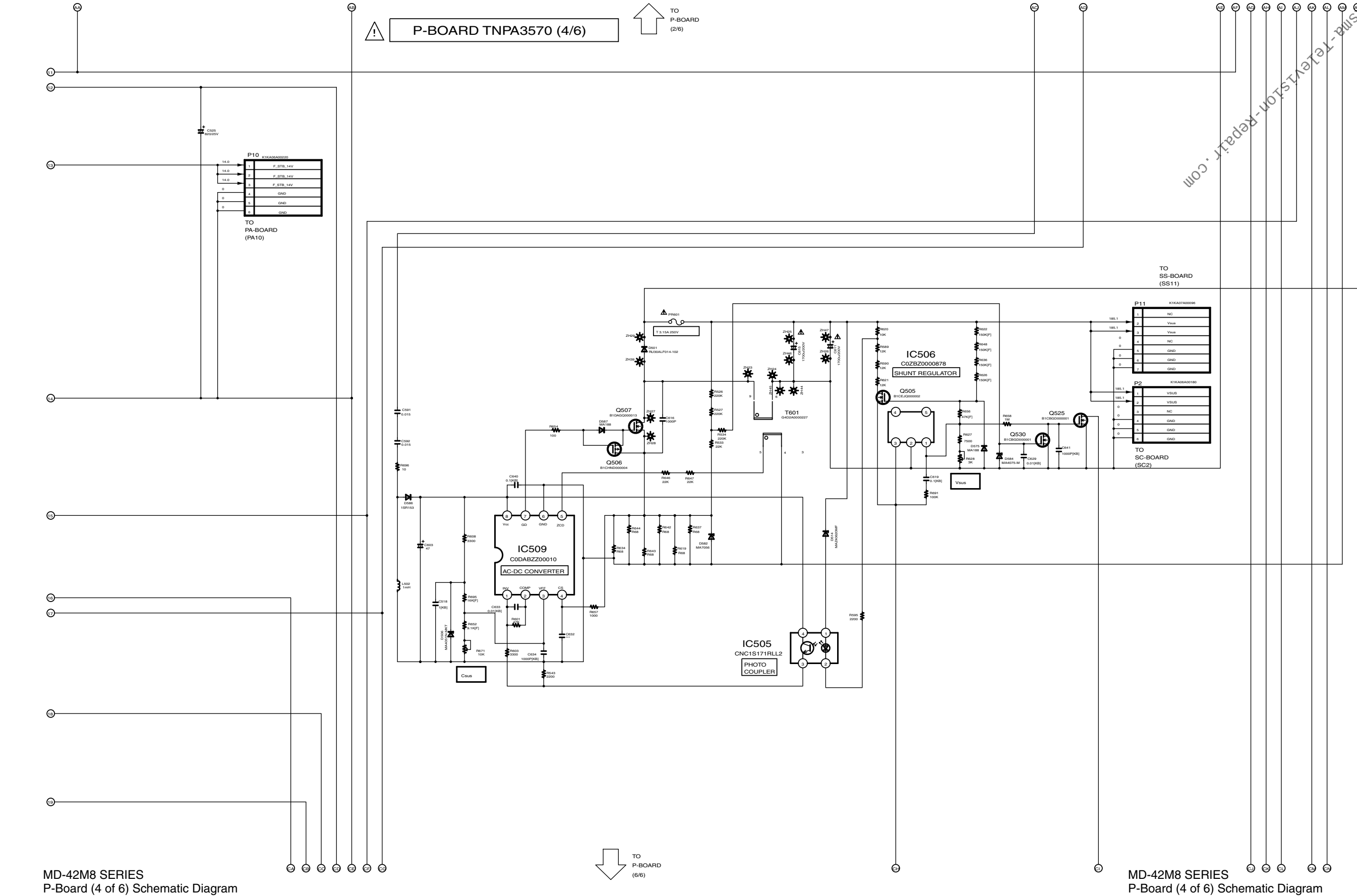
10.5. P-Board (2 of 6) Schematic Diagram

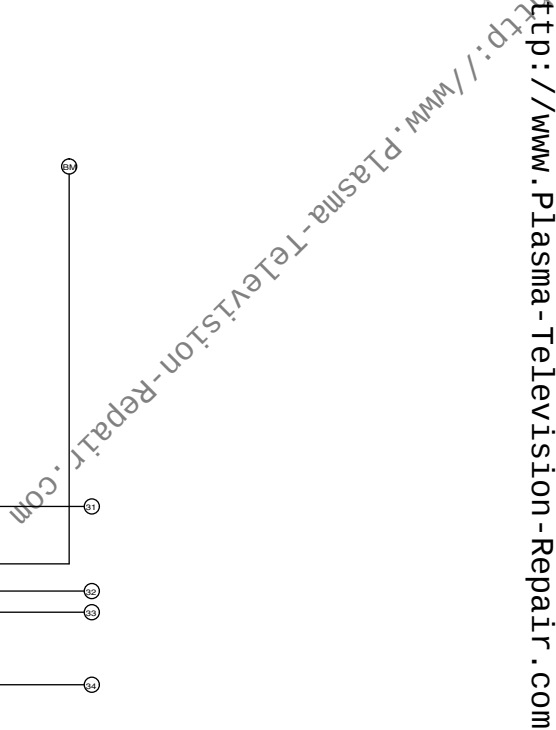


10.6. P-Board (3 of 6) Schematic Diagram

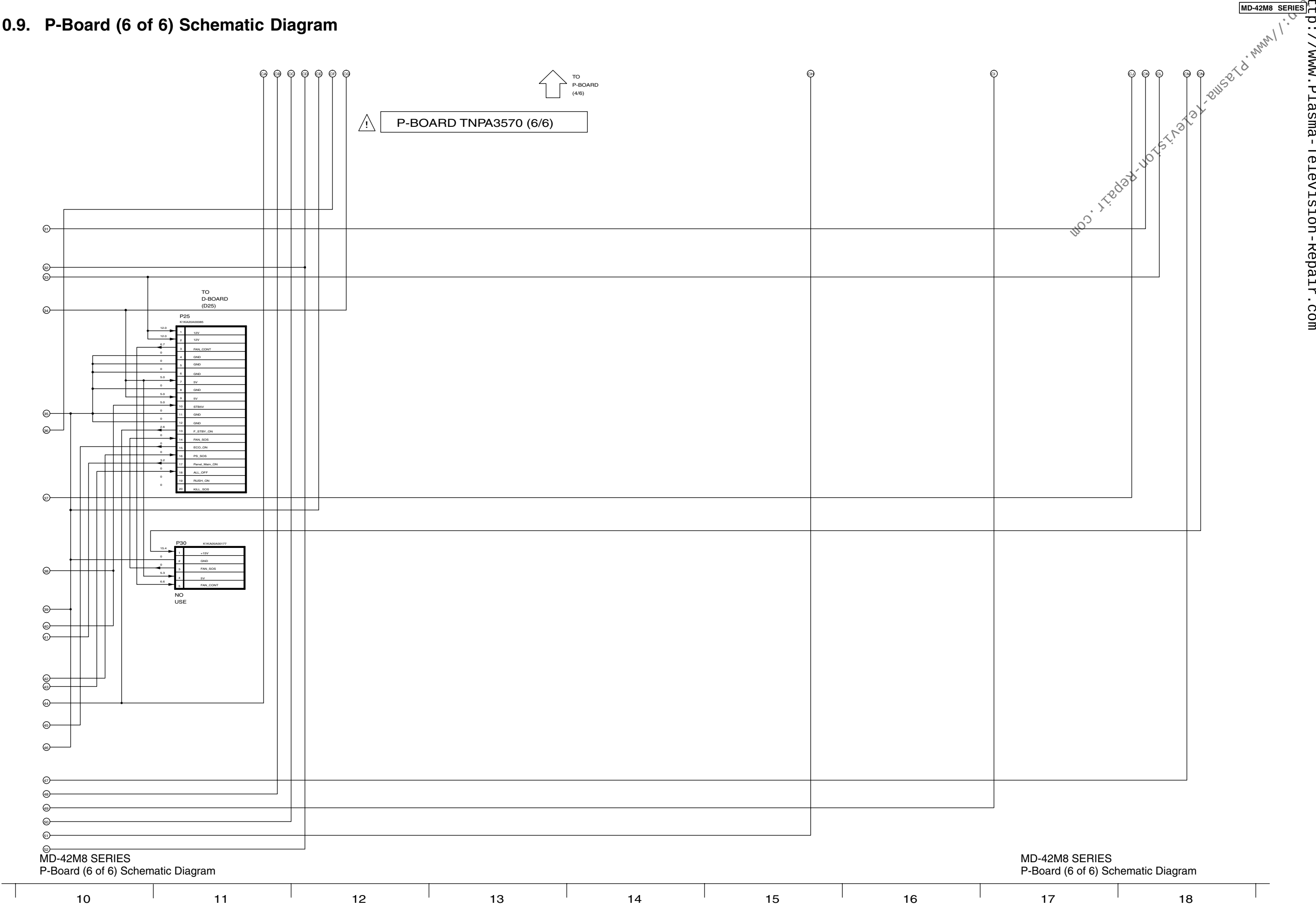


10.7. P-Board (4 of 6) Schematic Diagram

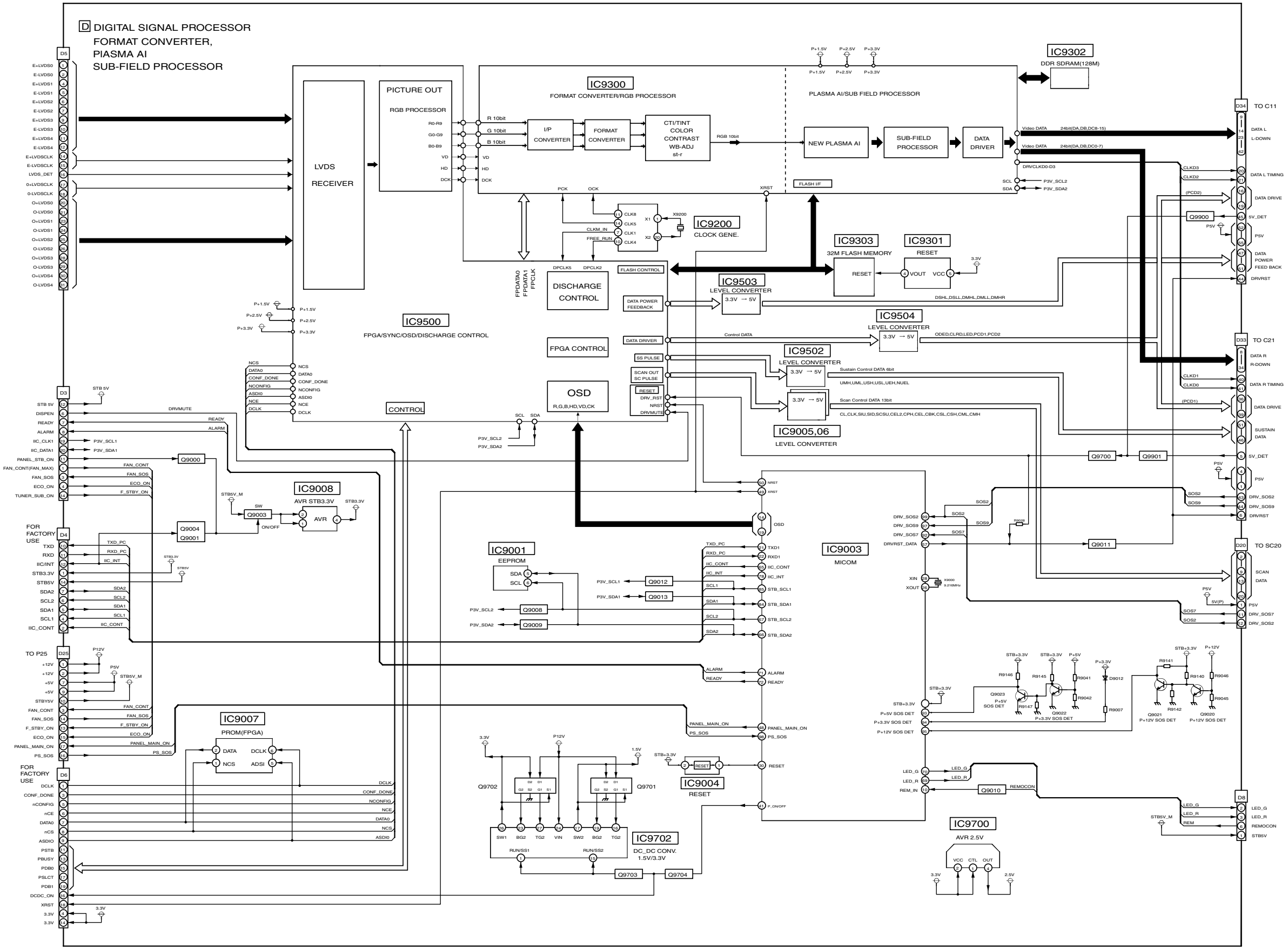




10.9. P-Board (6 of 6) Schematic Diagram



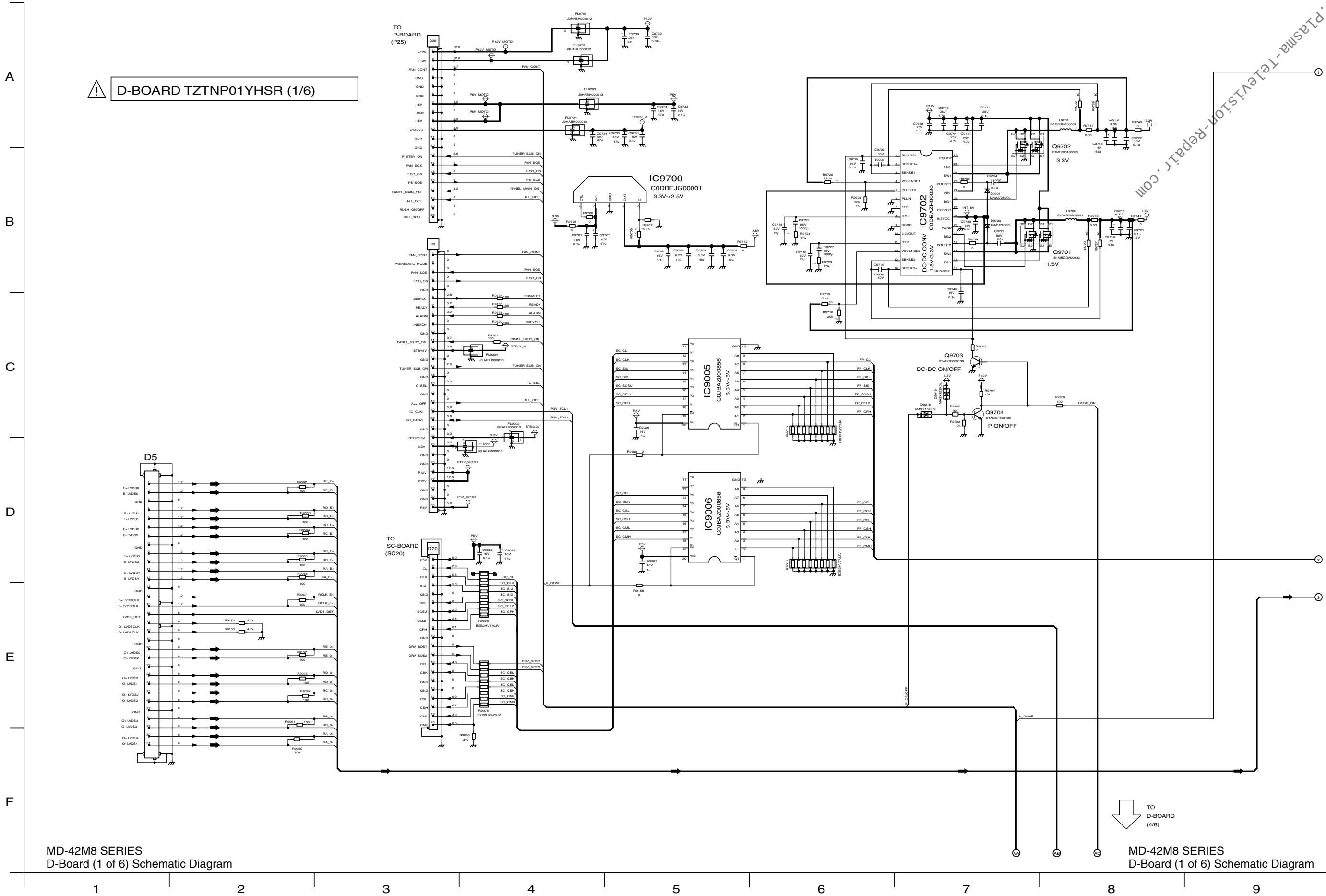
10.10. D-Board Block Diagram



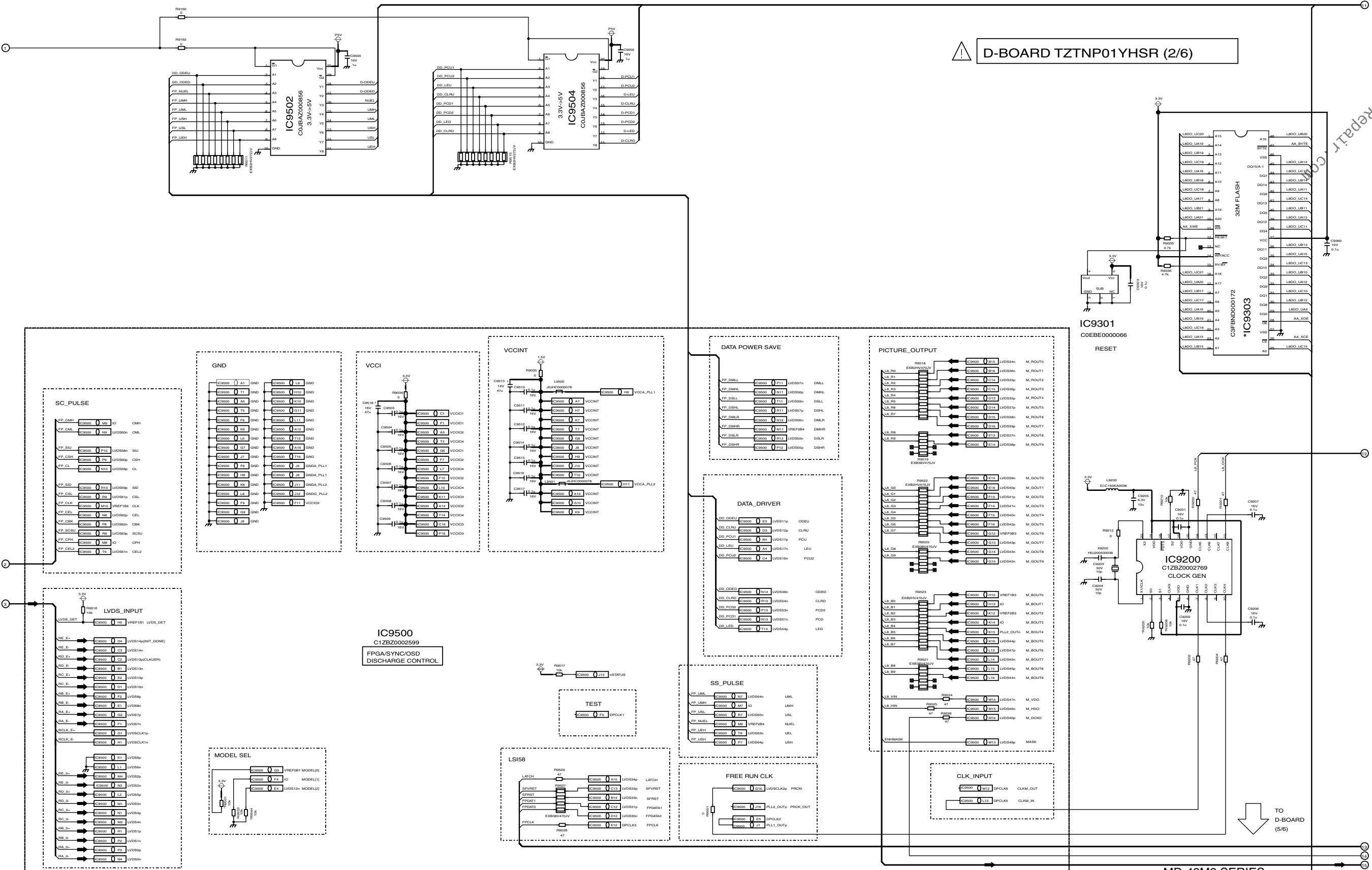
MD-42M8 SERIES
D-Board Block Diagram

MD-42M8 SERIES
D-Board Block Diagram

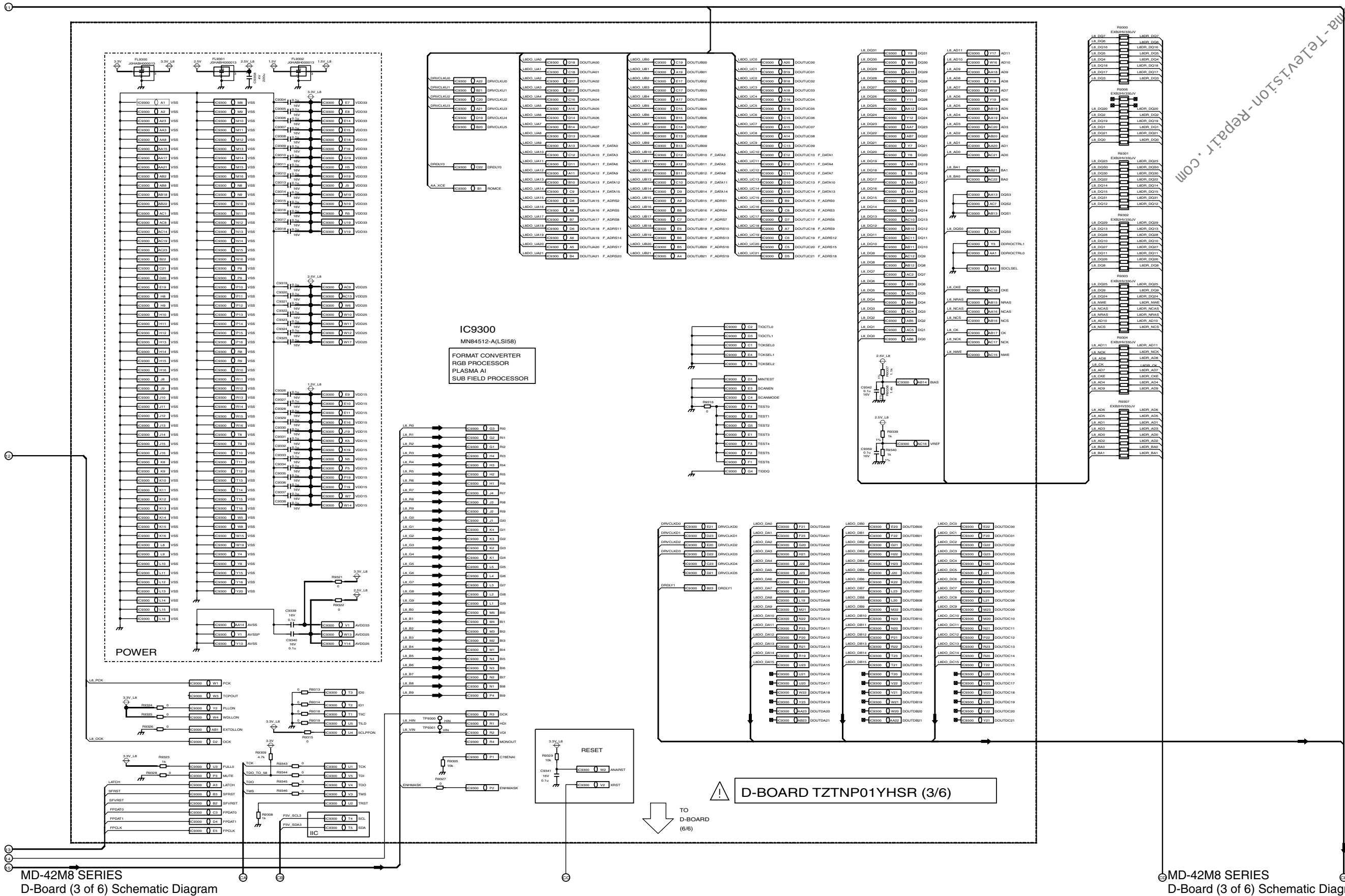
10.11. D-Board (1 of 6) Schematic Diagram

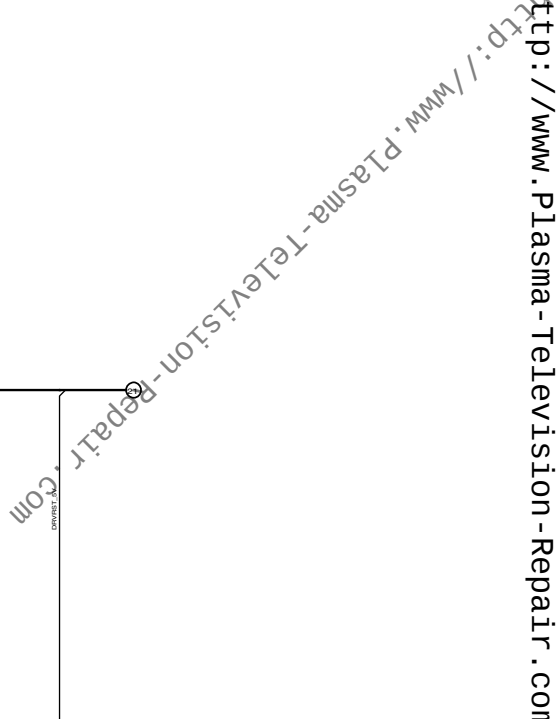


10.12. D-Board (2 of 6) Schematic Diagram

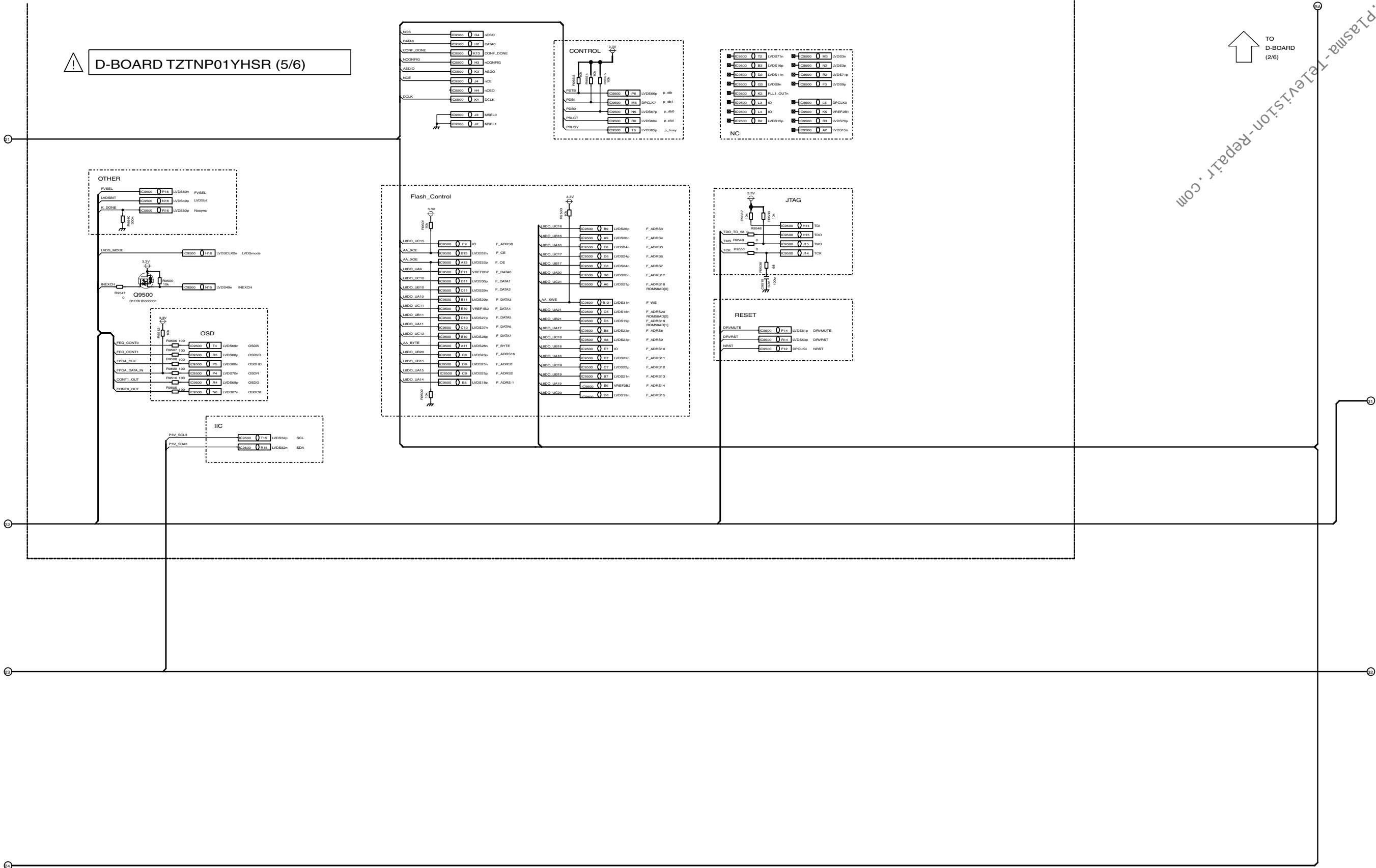


10.13. D-Board (3 of 6) Schematic Diagram





10.15. D-Board (5 of 6) Schematic Diagram

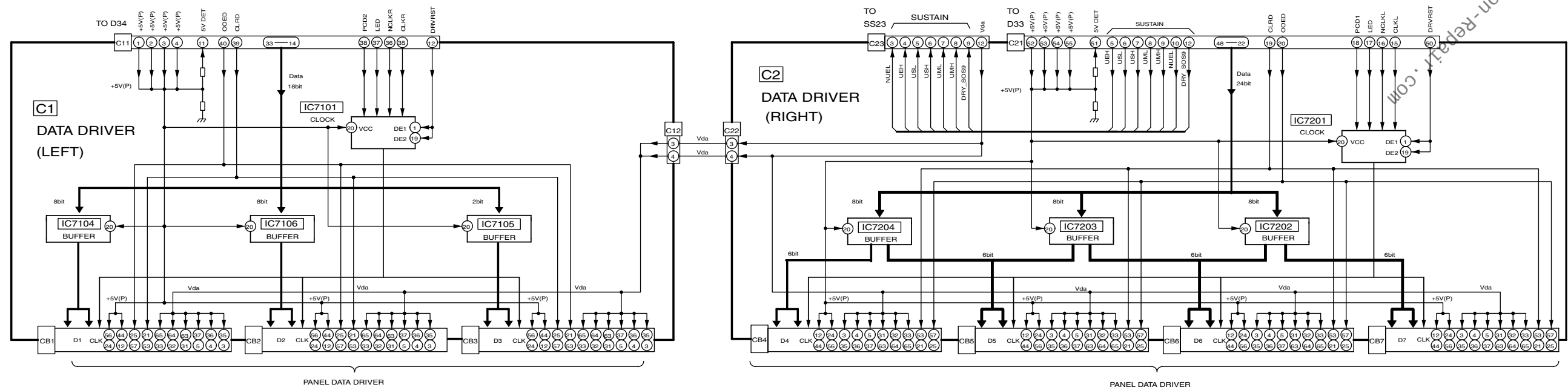




MD-42M8 SERIES

D-Board (6 of 6) Schematic Diagram

10.17. C1 and C2-Board Block Diagram



10.18. C1-Board (1 of 2) Schematic Diagram

A

B

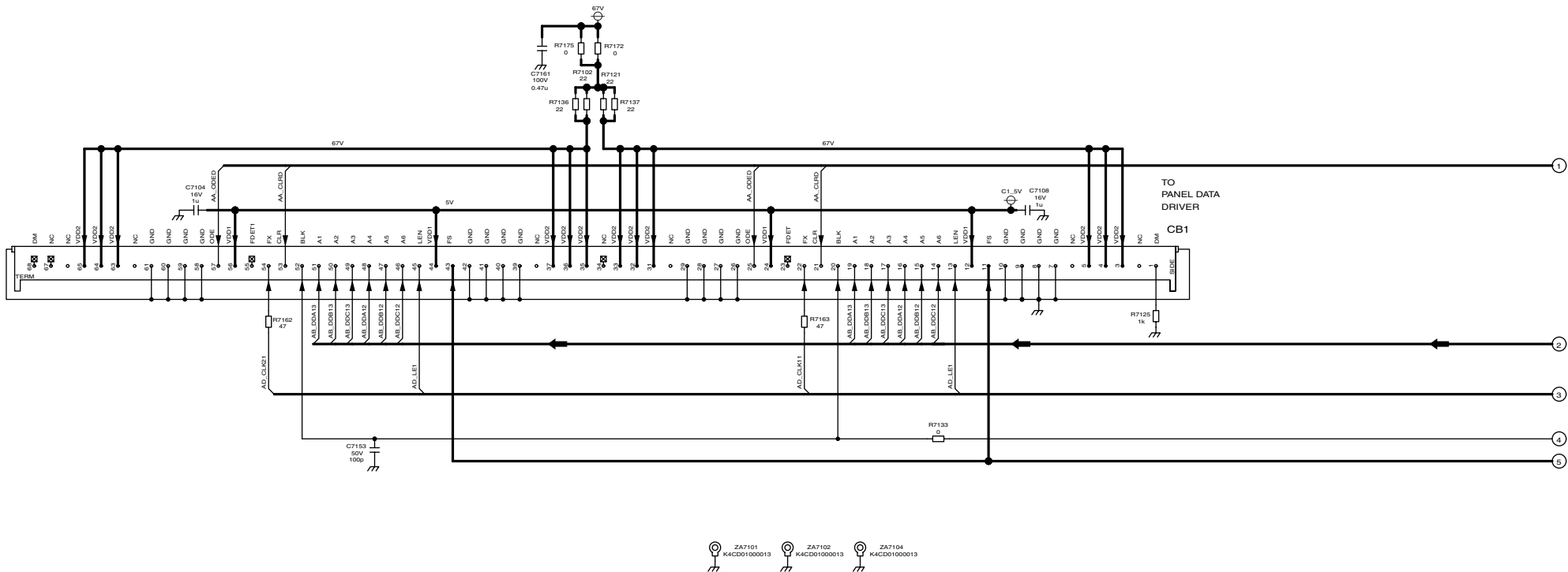
C

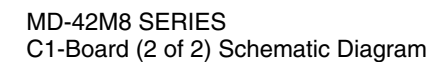
D

E

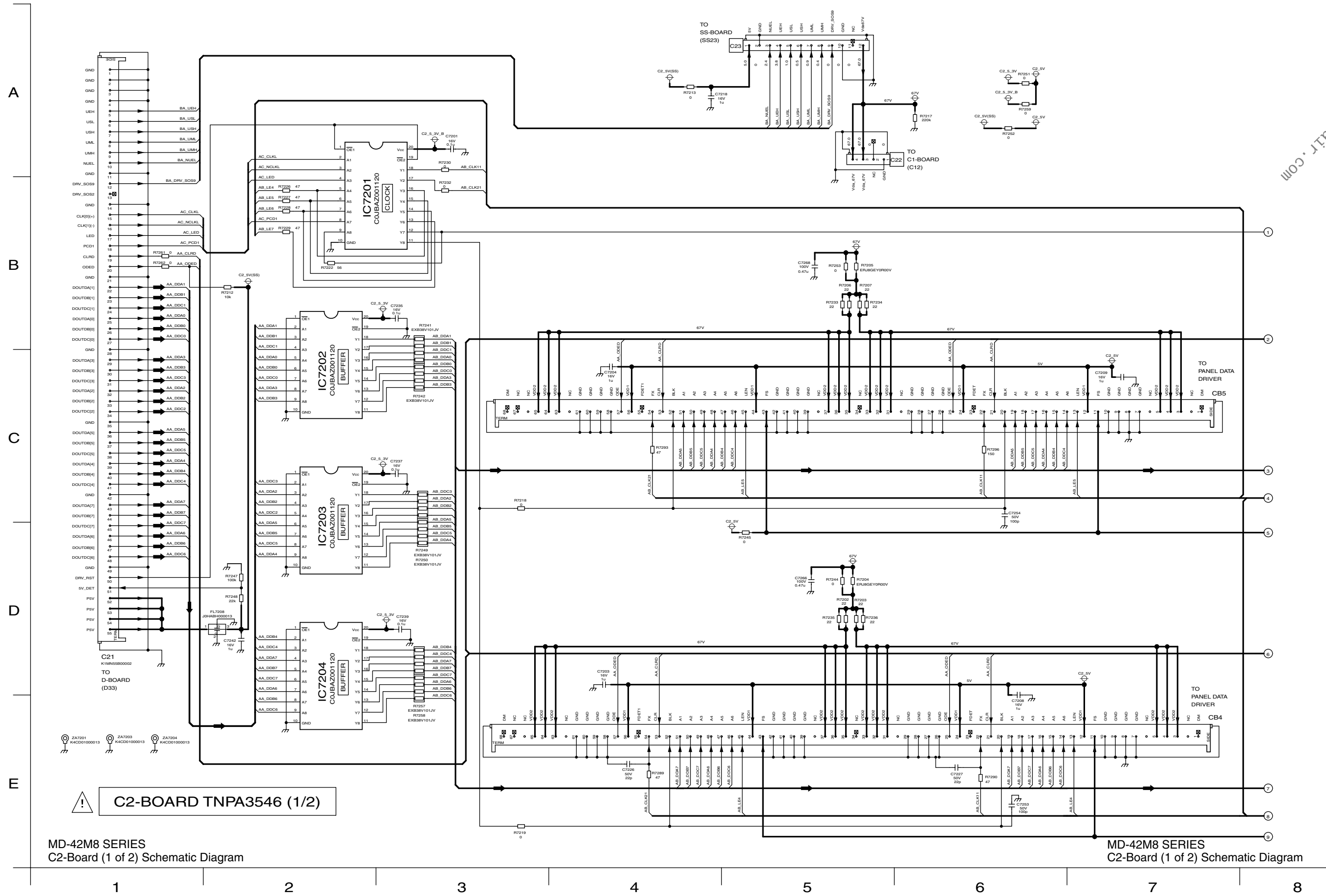


C1-BOARD TNPA3545 (1/2)



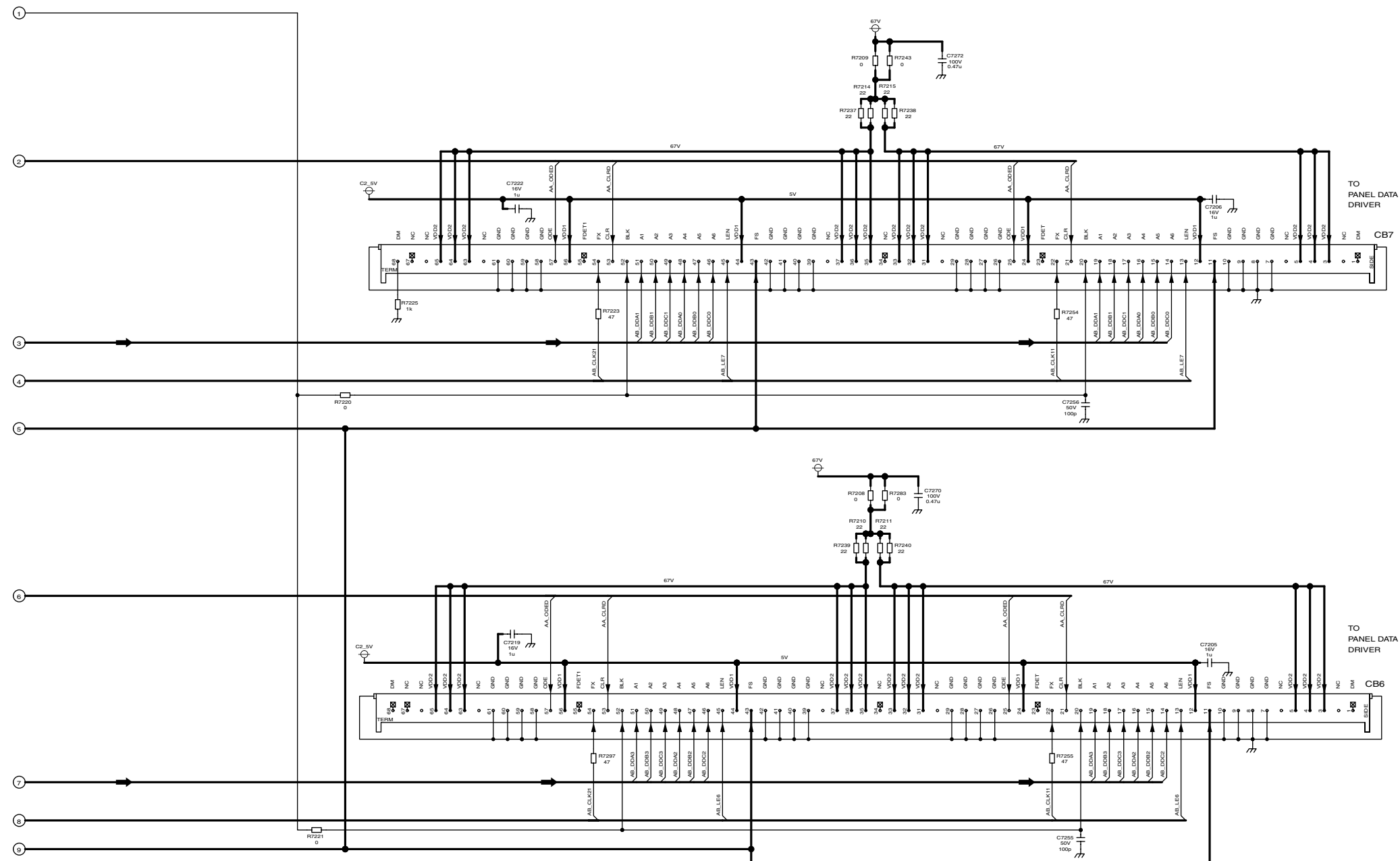
MD-42M8 SERIES
C1-Board (2 of 2) Schematic Diagram

10.20. C2-Board (1 of 2) Schematic Diagram



http://www.Plasma-Television-Repair.com

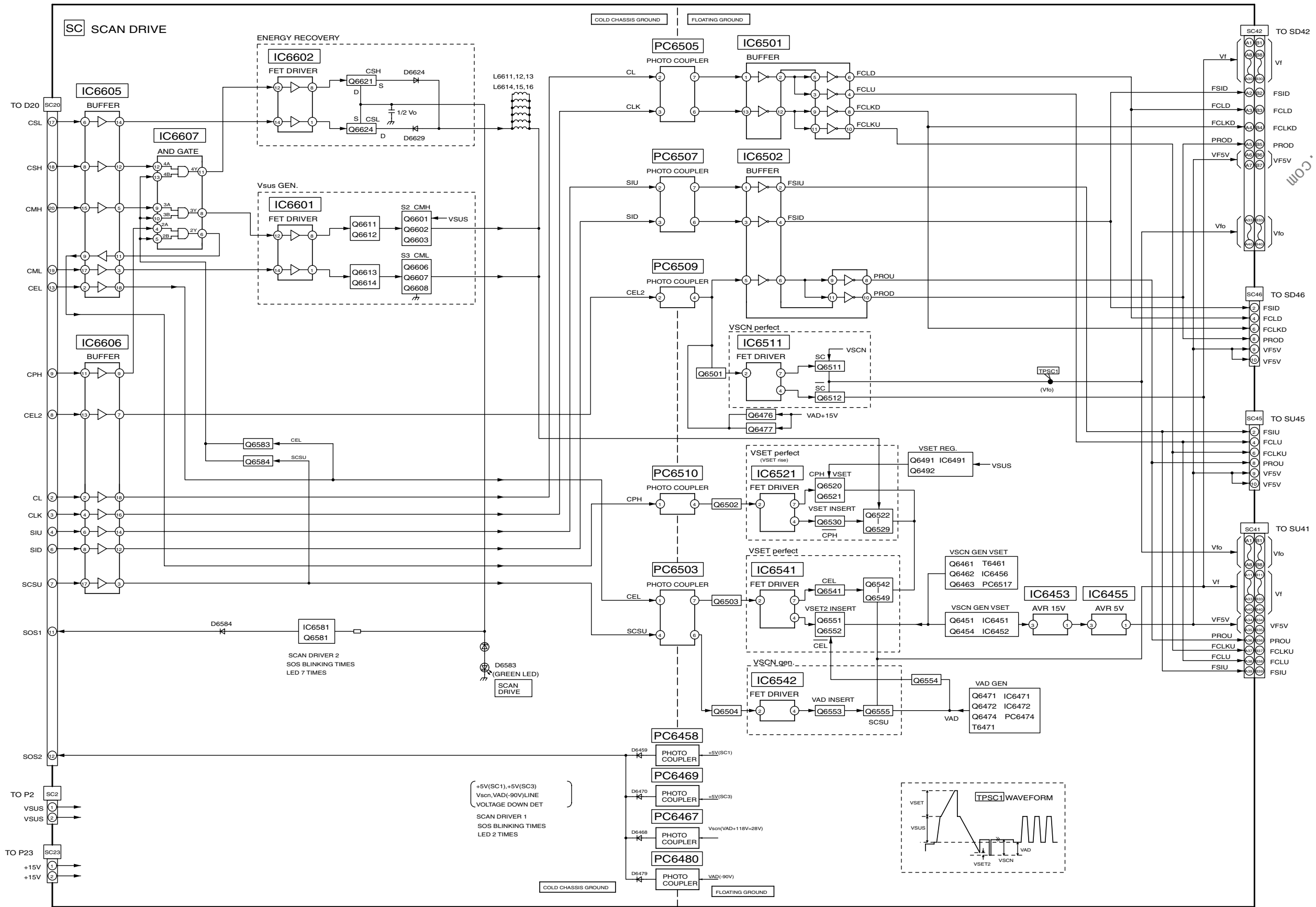
10.21. C2-Board (2 of 2) Schematic Diagram



MD-42M8 SERIES C2-Board (2 of 2) Schematic Diagram

MD-42M8 SERIES
C2-Board (2 of 2) Schematic Diagram

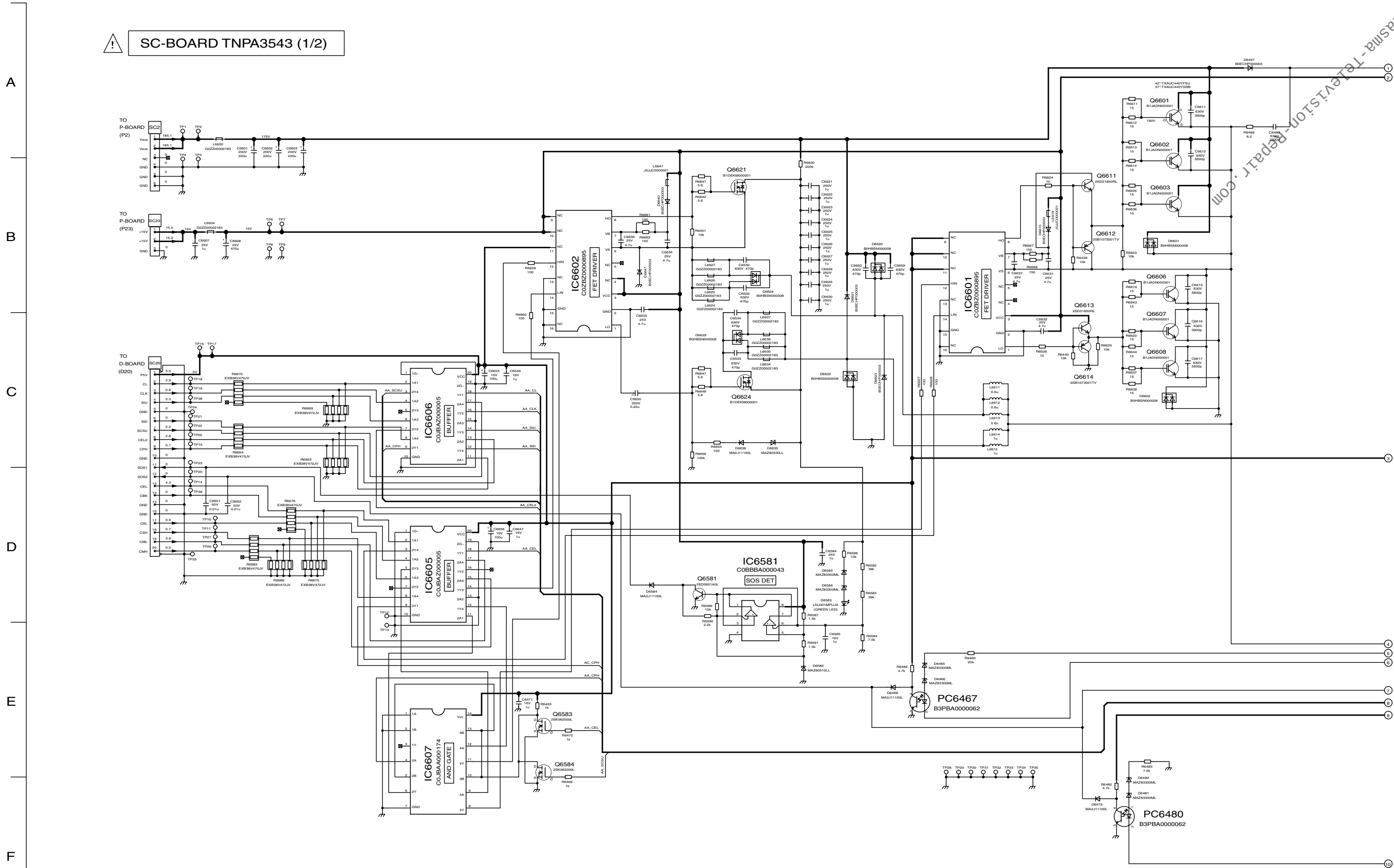
10.22. SC-Board Block Diagram



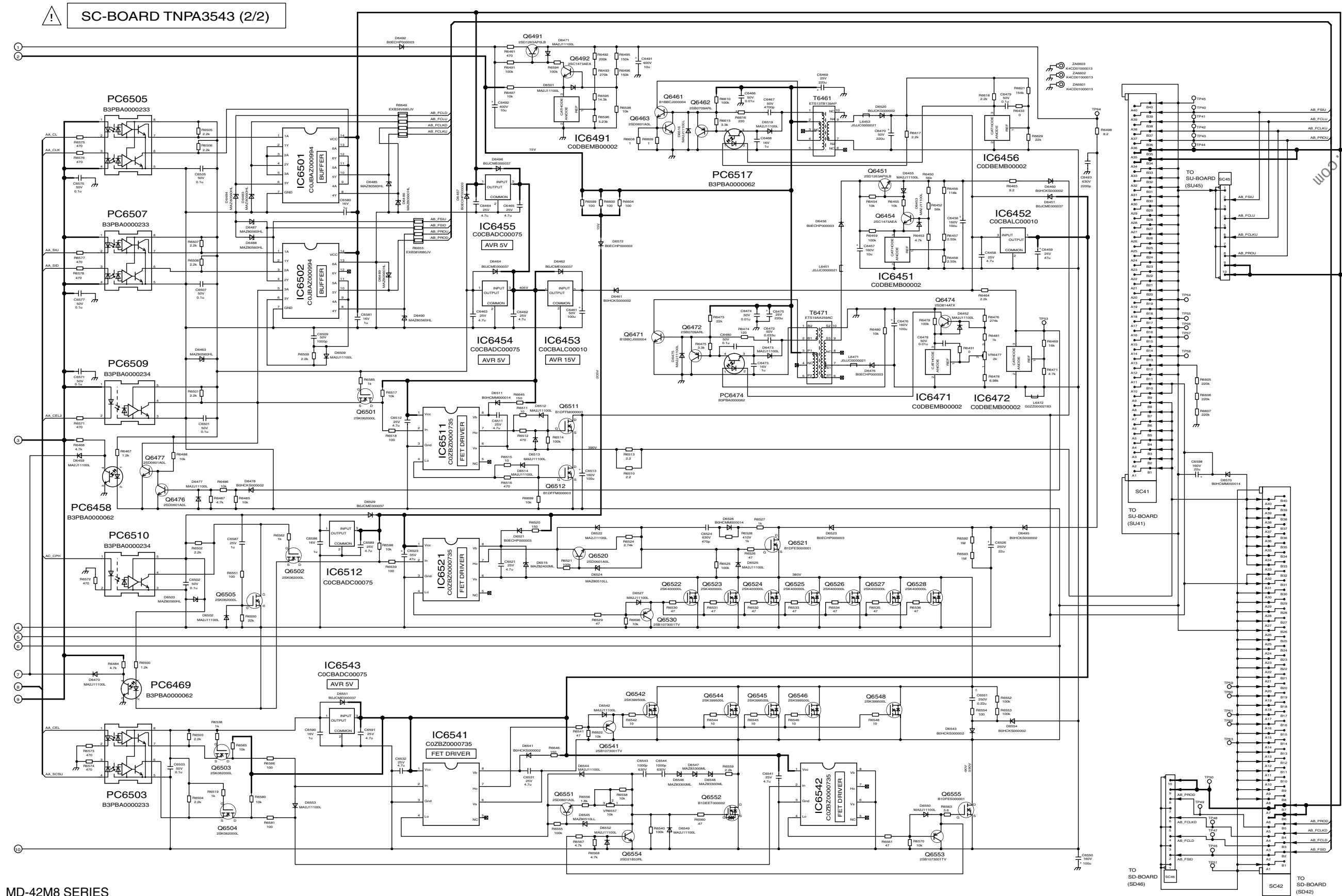
MD-42M8 SERIES
SC-Board Block Diagram

MD-42M8 SERIES
SC-Board Block Diagram

10.23. SC-Board (1 of 2) Schematic Diagram



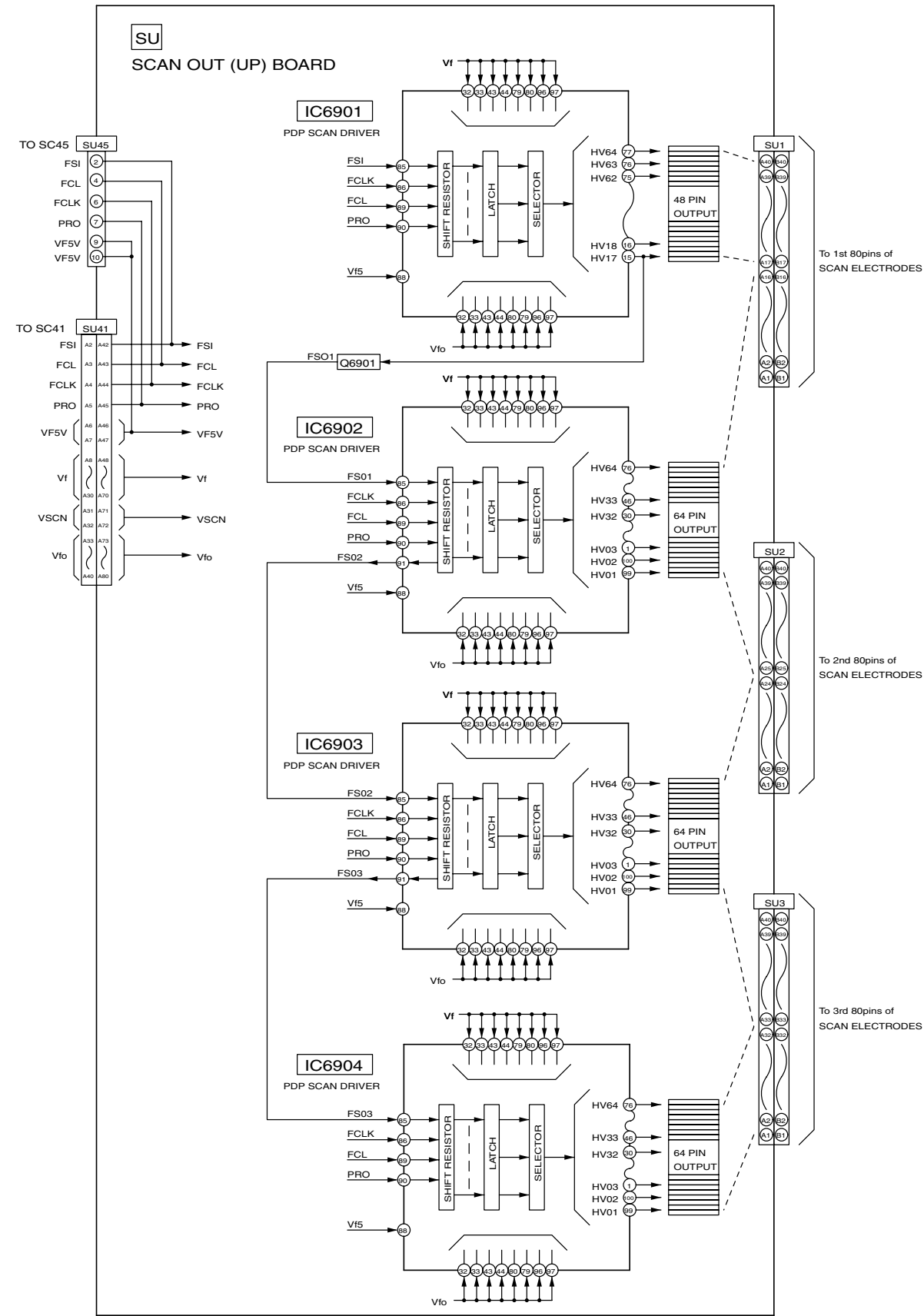
10.24. SC-Board (2 of 2) Schematic Diagram



MD-42M8 SERIES
SC-Board (2 of 2) Schematic Diagram

MD-42M8 SERIES SC-Board (2 of 2) Schematic Diagram

10.25. SU-Board Block Diagram

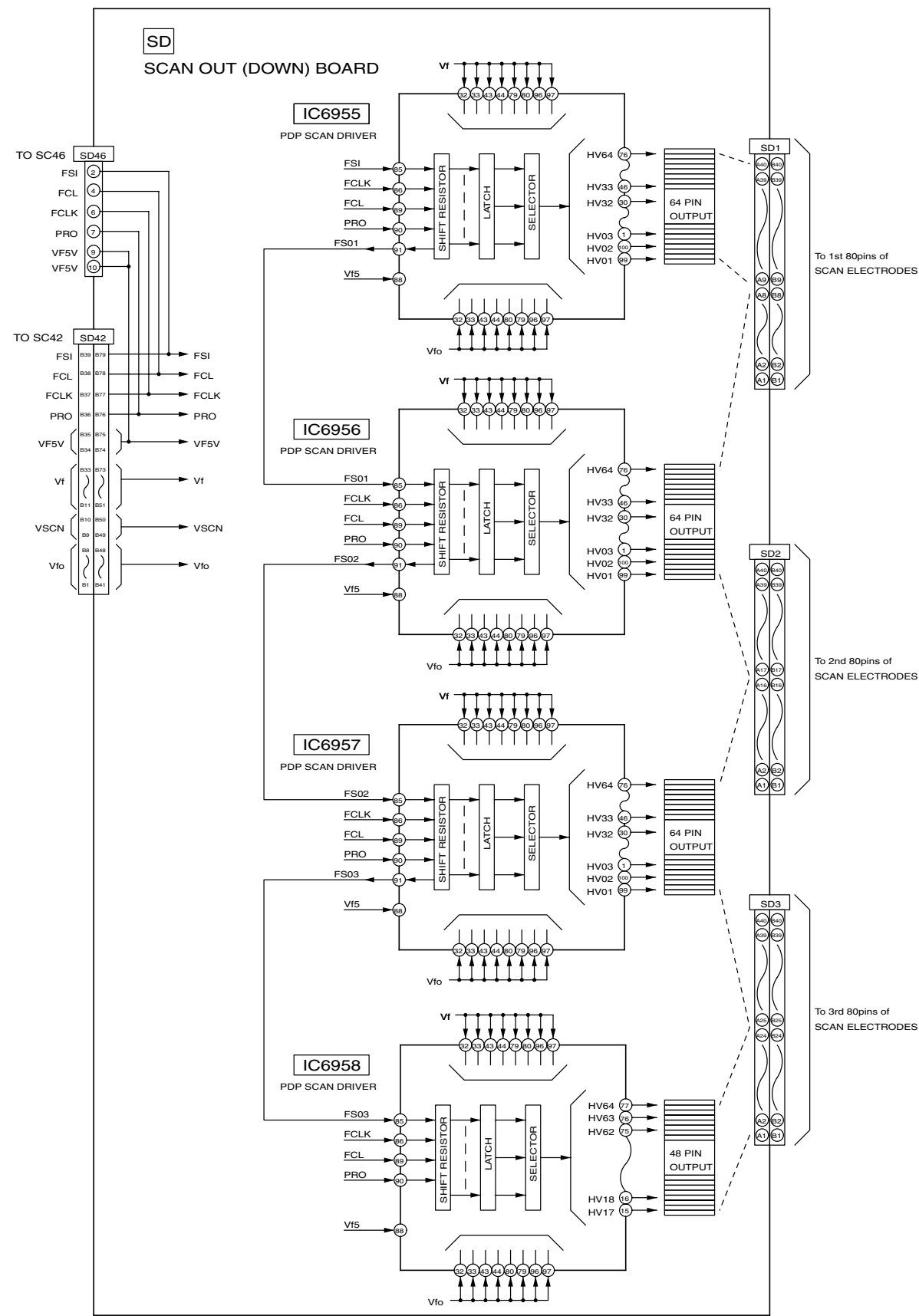


MD-42M8 SERIES
SU-Board Block Diagram

MD-42M8 SERIES
SU-Board Block Diagram



10.27. SD-Board Block Diagram



10.28. SD-Board Schematic Diagram

A

B

C

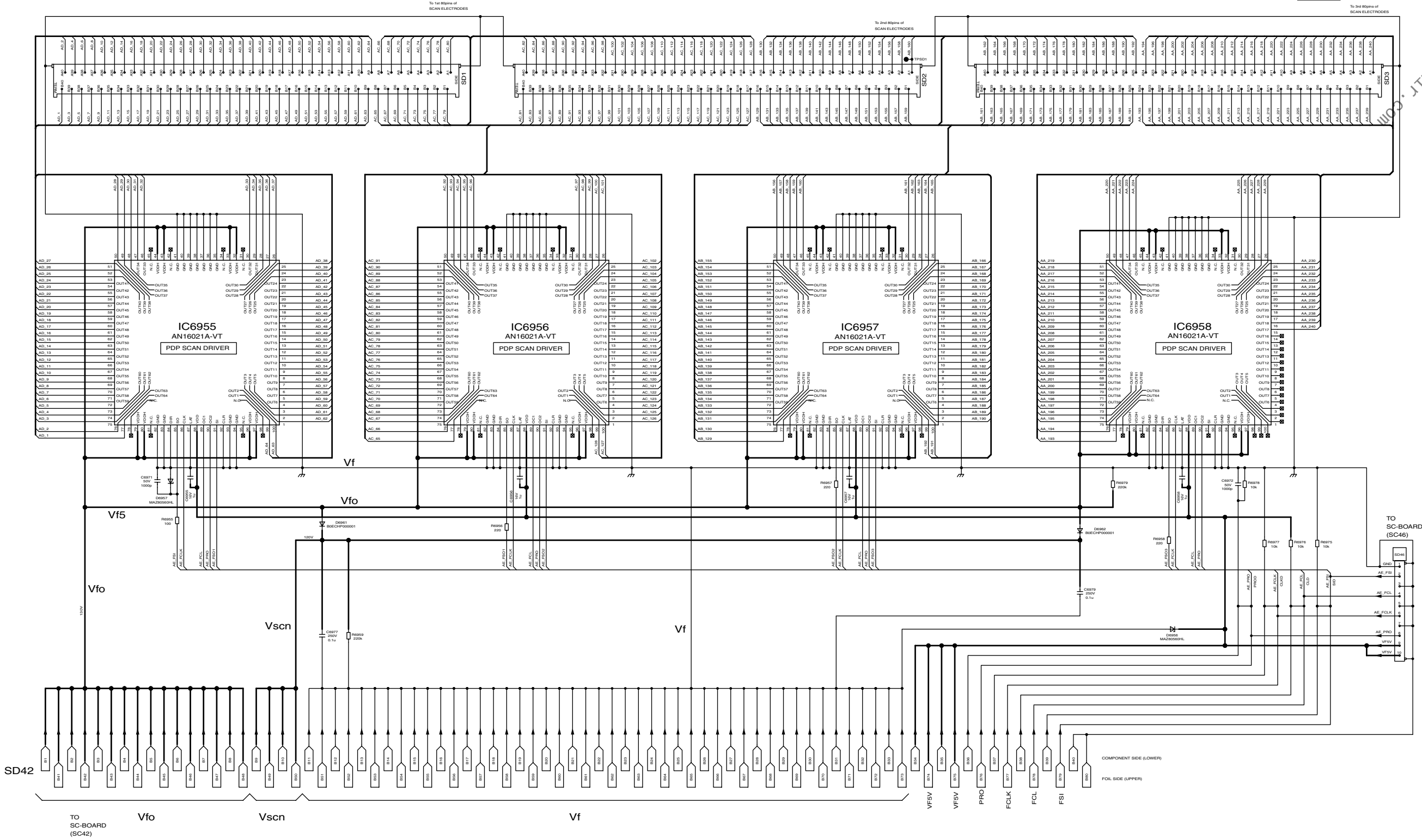
D

E

F

SD-BOARD TNPA3243

DOWN



MD-42M8 SERIES
SD-Board Schematic Diagram

MD-42M8 SERIES
SD-Board Schematic Diagram

1

2

3

4

5

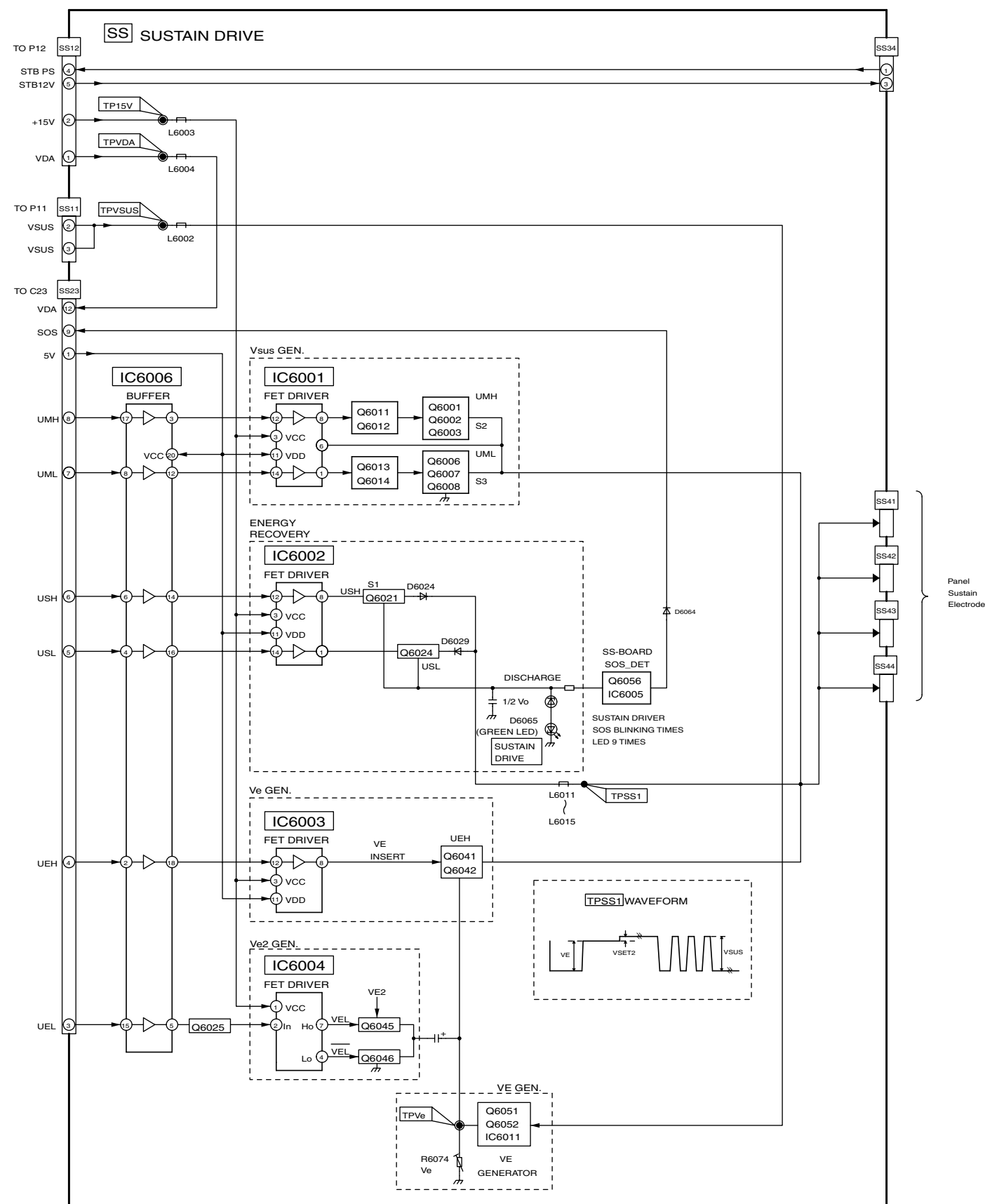
6

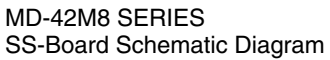
7

8

9

10.29. SS-Board Block Diagram





11 Replacement Parts List

11.1. Replacement Parts List Notes

Important Safety Notice

*Components identified by Δ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.*

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item.

After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 $\underline{C}$ 100KOHM, $\underline{J}$ 1/4W
 Type Allowance

2. Capacitor

Example:

ECKF1H103ZF $\underline{C}$ 0.01UF, $\underline{Z}$ 50V
 Type Allowance

Type	Allowance
C : Carbon	F : $\pm 1\%$
F : Fuse	G : $\pm 2\%$
M : Metal Oxide	J : $\pm 5\%$
Metal Film	K : $\pm 10\%$
S : Solid	M : $\pm 20\%$
W : Wire Wound	

Type	Allowance
C : Ceramic	C : $\pm 0.25\text{pF}$
E : Electrolytic	D : $\pm 0.5\text{pF}$
P : Polyester	F : $\pm 1\text{pF}$
Polypropylene	G : $\pm 3\text{pF}$
Tantalum	J : $\pm 5\text{pF}$
	K : $\pm 10\text{pF}$
	L : $\pm 15\text{pF}$
	M : $\pm 20\text{pF}$
	P : +100%, -0%
	Z : +80%, -20%

Packing materials for MD-42M8-N/R (10 units in 1 package) are not available as spare parts.

11.2. Mechanical Replacement Parts List

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	MD42S08AMJ	PLASMA DISPLAY PANEL	1	
	THEL035N	SCREW	49	
	TMM15414-2	CLAMPER	2	
	TMM25401	CLAMPER	3	
	TMM7468-1	CLAMPER	3	
	TMME199	CLAMPER	1	
	TPCA95901A	BOTTOM CARTON	1	SSJ
	TPCB81702	CARTON BOX	1	SSJ
	TPD169487	JOINT	4	SSJ
	TPDA0845	CUSHION (BOTTOM/LEFT)	1	SNJ/SRJ
	TPDA0846	CUSHION (BOTTOM/RIGHT)	1	SNJ/SRJ
	TPDA0943	CUSHION (UPPER/LEFT)	1	SSJ
	TPDA0944	CUSHION (BOTTOM/LEFT)	1	SSJ
	TPDA0958	CUSHION (CENTER/UPPER)	1	
	TPDA0960	CUSHION (UPPER/LEFT)	1	
	TPDA0961	CUSHION (UPPER/RIGHT)	1	
	TPDF0596	TOP PAD	1	SSJ
	TPDX0003	TOP COVER	1	SRJ
	TPDX0004	PALETTE (BOTTOM)	1	SRJ
	TPDX0015	PALETTE (BOTTOM)	1	SNJ
	TPDX0016	JOINT	4	SNJ
	TPGA2080	CUSHION (INSIDE)	2	SRJ
	TPGA2440	TOP COVER	1	SNJ
	TPGA2450	CUSHION (INSIDE)	2	SNJ
	TSXL451	CABLE (D33-C21/D34-C11)	2	
	TTUA1246	REAR COVER	1	
	XYN3+J10FJ	SCREW	1	
	XYN3+J12FJ	SCREW	23	
	XYN3+J8FJ	SCREW ROHS	1	
	XYN4+F8FJ	SCREW	4	
	XYN8+F15FJK	SCREW	4	
	XZBT6532	POLY BAG	1	

11.3. Electrical Replacement Parts List

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
F401.402	K5D802BNA005	TIME LAG FUSE HIGH	2	△
C11	K1MN55BA0076	55P CONNECTOR	1	
C12	K1KA04BA0107	4P CONNECTOR	1	
C1MM2	TMME199	CLAMPER	1	
C21	K1MN55BA0076	55P CONNECTOR	1	
C22	K1KA04BA0107	4P CONNECTOR	1	
C23	K1KA12AA0153	12P CONNECTOR	1	
C6001-03	F2A2D221A022	E 220UF, 200V	3	
C6005	F1L1E4750004	C 4.7UF, 25V	1	
C6007,08	ECA2CM101	E 100UF, 160V	2	
C6009	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6011	F1L2J392A022	C 3900UF, K,6.3V	1	
C6012	F1L2J562A022	C 5600UF, K,6.3V	1	
C6016	F1L2J392A022	C 3900UF, K,6.3V	1	
C6017	F1L2J562A022	C 5600UF, K,6.3V	1	
C6021-30	ECQE2105RKB	P 1UF, 250V	10	
C6031,32	F1L1E4750004	C 4.7UF, 25V	2	
C6034,35	F1L1E4750004	C 4.7UF, 25V	2	
C6037	ECQE2224KF	P 2.2UF, K,250V	1	
C6043,44	F1L1E4750004	C 4.7UF, 25V	2	
C6046	F1L1E4750004	C 4.7UF, 25V	1	
C6047	F2A2D1510004	E 150UF, 200V	1	
C6048	EEUFC1E221	E 220UF, 25V	1	
C6049	F1L1E4750004	C 4.7UF, 25V	1	
C6050,51	TCUY1C105ZFN	C 1UF, 16V	2	
C6053,54	EEUFC1E221	E 220UF, 25V	2	
C6055	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6056	EEUFC1A101	E 100UF, 10V	1	
C6057	F1L1E4750004	C 4.7UF, 25V	1	
C6058	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6060,61	F1K2J471A014	C 470UF, K,6.3V	2	
C6456	ECA2CM101	E 100UF, 160V	1	
C6457	ECA2CHG100	E 10UF, 160V	1	
C6458	F1L1E4750004	C 4.7UF, 25V	1	
C6459	EEUFC1E470	E 47UF, 25V	1	
C6461	ECA1HM101	E 100UF, 50V	1	
C6462-65	F1L1E4750004	C 4.7UF, 25V	4	
C6466	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6467	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C6468	TCUY1C105ZFN	C 1UF, 16V	1	
C6469	EEUFC1E221	E 220UF, 25V	1	
C6470	ECA1HM221	E 220UF, 50V	1	
C6471	TCUY1C105ZFN	C 1UF, 16V	1	
C6472	ECJ2VB1H333K	C 0.033UF, K, 50V	1	
C6473	TCUY1C105ZFN	C 1UF, 16V	1	
C6474	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6475	EEUFC1E221	E 220UF, 25V	1	
C6476	ECA2CM101	E 100UF, 160V	1	
C6478	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6479,80	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C6490	F1K2J332A014	C 3300UF, K,6.3V	1	
C6491,92	F2A2G100A017	E 100UF, 400V	2	
C6493	ECJ3XB2J222K	C 2200PF, K,630V	1	
C6501-03	ECJ2XB1H104K	C 0.1UF, K, 50V	3	
C6505	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6507	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6509	ECJ2XC1H102J	C 1000PF, J, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6511,12	F1L1E4750004	C 4.7UF, 25V	2	
C6513	ECA2CM101	E 100UF, 160V	1	
C6521	F1L1E4750004	C 4.7UF, 25V	1	
C6523	ECA1VM470	E 47UF, 35V	1	
C6524	F1K2J471A014	C 470UF, K,6.3V	1	
C6526	ECA2EHG220	E 22UF, 250V	1	
C6529,30	F1K2J471A014	C 470UF, K,6.3V	2	
C6531,32	F1L1E4750004	C 4.7UF, 25V	2	
C6533,34	F1K2J471A014	C 470UF, K,6.3V	2	
C6541	F1L1E4750004	C 4.7UF, 25V	1	
C6543,44	F1K2J102A014	C 1000PF,	2	
C6546	TCUY1C105ZFN	C 1UF, 16V	1	
C6550	ECA2CM101	E 100UF, 160V	1	
C6551	ECQE2224KF	P 2.2UF, K,250V	1	
C6571	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6575	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6577	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6580,81	TCUY1C105ZFN	C 1UF, 16V	2	
C6584	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6585	TCUY1C105ZFN	C 1UF, 16V	1	
C6587	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6588	TCUY1C105ZFN	C 1UF, 16V	1	
C6589	F1L1E4750004	C 4.7UF, 25V	1	
C6590	TCUY1C105ZFN	C 1UF, 16V	1	
C6591	F1L1E4750004	C 4.7UF, 25V	1	
C6598	ECA1CM220	E 22UF, 16V	1	
C6601-03	F2A2D221A022	E 220UF, 200V	3	
C6607	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6608	ECA1EM471	E 470UF, 25V	1	
C6611	F1L2J392A022	C 3900UF, K,6.3V	1	
C6612	F1L2J562A022	C 5600UF, K,6.3V	1	
C6615	F1L2J562A022	C 5600UF, K,6.3V	1	
C6616	F1L2J392A022	C 3900UF, K,6.3V	1	
C6617	F1L2J562A022	C 5600UF, K,6.3V	1	
C6621-30	ECQE2105RKB	P 1UF, 250V	10	
C6631,32	F1L1E4750004	C 4.7UF, 25V	2	
C6634,35	F1L1E4750004	C 4.7UF, 25V	2	
C6637	F1L1E4750004	C 4.7UF, 25V	1	
C6639	F1L1E4750004	C 4.7UF, 25V	1	
C6647	TCUY1C105ZFN	C 1UF, 16V	1	
C6650	ECQE2224KF	P 2.2UF, K,250V	1	
C6651,52	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C6655,56	EEUFC1A101	E 100UF, 10V	2	
C6659,60	F1K2J471A014	C 470UF, K,6.3V	2	
C6901-04	TCUY1C105ZFN	C 1UF, 16V	4	
C6911,12	ECJ2XB1H102K	C 1000PF, K, 50V	2	
C6917	ECJ2XB1H221K	C 220PF, K, 50V	1	
C6931	F1L2E1040002	E 1000UF, 25V	1	
C6933	F1L2E1040002	E 1000UF, 25V	1	
C6955-58	TCUY1C105ZFN	C 1UF, 16V	4	
C6971,72	ECJ2XB1H102K	C 1000PF, K, 50V	2	
C6977	F1L2E1040002	E 1000UF, 25V	1	
C6979	F1L2E1040002	E 1000UF, 25V	1	
C7101	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7104-06	TCUY1C105ZFN	C 1UF, 16V	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C7108-10	TCUY1C105ZFN	C 1UF, 16V	3	
C7135	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7138,39	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C7153	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7161	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7163	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7165	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7182	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7186	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7201	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7203-06	TCUY1C105ZFN	C 1UF, 16V	4	
C7208,09	TCUY1C105ZFN	C 1UF, 16V	2	
C7218,19	TCUY1C105ZFN	C 1UF, 16V	2	
C7222	TCUY1C105ZFN	C 1UF, 16V	1	
C7226,27	ECJ1XC1H220J	C 22PF, J, 50V	2	
C7235	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7237	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7239	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7242	TCUY1C105ZFN	C 1UF, 16V	1	
C7253-56	ECJ1XC1H101J	C 100PF, J, 50V	4	
C7266	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7268	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7270	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7272	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C9000	EEH1C470P	C 47PF, J, 16V	1	
C9001	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9004,05	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9006	FLJ0J1060004	C 0.010UF, K, 16V	1	
C9007	EEH1C470P	C 47PF, J, 16V	1	
C9008	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9009	FLJ0J1060004	C 0.010UF, K, 16V	1	
C9010-12	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9013	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C9014	ECJ1XC1H101K	C 100PF, K, 50V	1	
C9015-22	ECJ1XF1C104Z	C 0.1UF, Z, 16V	8	
C9023	EEH1C470P	C 47PF, J, 16V	1	
C9024	ECJ1XC1H271J	C 270PF, J, 50V	1	
C9025	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9026,27	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C9028-31	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C9033	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9035,36	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9201,02	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9203,04	ECJ1VC1H100C	C 10PF, C, 50V	2	
C9205	FLJ0J1060004	C 0.010UF, K, 16V	1	
C9206,07	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9303	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9304-57	ECJ1XB1C104K	C 0.1UF, Z, 16V	54	
C9358	EEH1G221P	C 220PF, J, 4V	1	
C9359	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9360	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9500	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C9502	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C9503-12	ECJ1XB1C104K	C 0.1UF, Z, 16V	10	
C9513	EEH1C470P	C 47PF, J, 16V	1	
C9514-17	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C9518	EEH1C470P	C 47PF, J, 16V	1	
C9519	ECJ1XC1H101K	C 100PF, K, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9701,02	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9703	FLJ0J1060004	C 0.010UF, K, 16V	1	
C9705,06	FLJ0J1060004	C 0.010UF, K, 16V	2	
C9707	EEH1C470P	C 47PF, J, 16V	1	
C9712,13	FLJ0J1060004	C 0.010UF, K, 16V	2	
C9714,15	ECGR10G680R	C 68PF, J, 4V	2	
C9716	ECJ1XC1H220J	C 22PF, J, 50V	1	
C9718	ECJ1XC1H220J	C 22PF, J, 50V	1	
C9719,20	ECJ1XC1H102J	C 1000PF, J, 50V	2	
C9721,22	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9723,24	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C9725	ECJ1XC1H102J	C 1000PF, J, 50V	1	
C9727	ECJ1XC1H102J	C 1000PF, J, 50V	1	
C9728	ECJ3YB1E475K	C 4.7UF, K, 25V	1	
C9729	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9730	EEH1E470P	C 47PF, J, 25V	1	
C9731	EEH1C470P	C 47PF, J, 16V	1	
C9732	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C9733	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9734,35	EEH1C470P	C 47PF, J, 16V	2	
C9736	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9739,40	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9741	ECJ3YB1E475K	C 4.7UF, K, 25V	1	
C9742	ECJ1XF1E104Z	C 0.1UF, Z, 25V	1	
C9743,44	ECJ3YB1E475K	C 4.7UF, K, 25V	2	
C9900,01	ECJ1VF1H103Z	C 0.010UF, Z, 50V	2	
CB1-B7	K1MN68BA0002	68P CONNECTOR	7	
D3	K1KA30AA0009	30P CONNECTOR	1	
D4	K1KA14A00248	14P CONNECTOR	1	
D5	K1KB31AA0140	31P CONNECTOR	1	
D6	K1KA20A00310	20P CONNECTOR	1	
D8	K1KA08AA0104	8P CONNECTOR	1	
D20	K1KA20AA0008	20P CONNECTOR	1	
D25	K1KA20AA0009	20P CONNECTOR	1	
D33,34	K1MN55BA0094	55P CONNECTOR	2	
D6001,02	BOHBSN000008	DIODE	2	
D6015	BOEHP000003	DIODE	1	
D6020	BOHBSN000008	DIODE	1	
D6021	BOEHP000003	DIODE	1	
D6022	BOHBSN000008	DIODE	1	
D6023	BOEHP000003	DIODE	1	
D6024	BOHBSN000008	DIODE	1	
D6029	BOHBSN000008	DIODE	1	
D6035	MA8033L	ZENER DIODE	1	
D6036	MA111	DIODE	1	
D6040,41	BOEHP000003	DIODE	2	
D6051	BOEHP000003	DIODE	1	
D6052,53	BOJCME000037	DIODE	2	
D6054	BOEHP000003	DIODE	1	
D6055	BOJCME000037	DIODE	1	
D6057	BOEHP000003	DIODE	1	
D6058-60	MA111	DIODE	3	
D6061	MA8082MTX	ZENER DIODE	1	
D6062	MA111	DIODE	1	
D6063	MA8051L	ZENER DIODE	1	
D6064	MA111	DIODE	1	
D6065	LNJ301MPUJA	LED	1	
D6066,67	MA8330M	ZENER DIODE	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6070	MA111	DIODE	1	
D6451	B0JCME000037	DIODE	1	
D6452,53	MA111	DIODE	2	
D6455	MA111	DIODE	1	
D6456	B0ECHP000003	DIODE	1	
D6459	MA111	DIODE	1	
D6460,61	B0HCKS000002	DIODE	2	
D6462	B0JCME000037	DIODE	1	
D6463	MA8056H	ZENER DIODE	1	
D6464	B0JCME000037	DIODE	1	
D6465,66	MA8330M	ZENER DIODE	2	
D6467	B0ECHP000003	DIODE	1	
D6468	MA111	DIODE	1	
D6470,71	MA111	DIODE	2	
D6473	MA111	DIODE	1	
D6475	MA111	DIODE	1	
D6476	B0ECHP000003	DIODE	1	
D6477	MA111	DIODE	1	
D6478	B0HCKS000002	DIODE	1	
D6479	MA111	DIODE	1	
D6481,82	MA8330M	ZENER DIODE	2	
D6483-90	MA8056H	ZENER DIODE	8	
D6491,92	B0ECHP000003	DIODE	2	
D6495	B0HCKS000002	DIODE	1	
D6496	B0JCME000037	DIODE	1	
D6501,02	MA111	DIODE	2	
D6503	MA8056H	ZENER DIODE	1	
D6509	MA111	DIODE	1	
D6511	B0HCMM000014	DIODE	1	
D6512-14	MA111	DIODE	3	
D6515	MA8240M	ZENER DIODE	1	
D6516	MA111	DIODE	1	
D6519	MA111	DIODE	1	
D6520	B0JCKG000002	DIODE	1	
D6521	B0ECHP000003	DIODE	1	
D6522	MA111	DIODE	1	
D6523	B0ECHP000003	DIODE	1	
D6524	MA8051L	ZENER DIODE	1	
D6525	MA111	DIODE	1	
D6526	B0HCMM000014	DIODE	1	
D6527	MA111	DIODE	1	
D6529	B0JCME000037	DIODE	1	
D6541	B0HCKS000002	DIODE	1	
D6542	MA111	DIODE	1	
D6543	B0HCKS000002	DIODE	1	
D6544	MA111	DIODE	1	
D6545	MA8051L	ZENER DIODE	1	
D6546-48	MA8330M	ZENER DIODE	3	
D6549,50	MA111	DIODE	2	
D6551	B0JCME000037	DIODE	1	
D6552,53	MA111	DIODE	2	
D6554	B0HCKS000002	DIODE	1	
D6570	B0HCMM000014	DIODE	1	
D6572	B0ECHP000003	DIODE	1	
D6582	MA8051L	ZENER DIODE	1	
D6583	LNJ301MPUJA	LED	1	
D6584	MA111	DIODE	1	
D6585,86	MA8330M	ZENER DIODE	2	
D6601,02	B0HBSN000008	DIODE	2	
D6615	B0ECHP000003	DIODE	1	
D6620	B0HBSN000008	DIODE	1	
D6621	B0ECHP000003	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6622	B0HBSN000008	DIODE	1	
D6623	B0ECHP000003	DIODE	1	
D6624	B0HBSN000008	DIODE	1	
D6629	B0HBSN000008	DIODE	1	
D6635	MA8033L	ZENER DIODE	1	
D6636	MA111	DIODE	1	
D6640	B0ECHP000003	DIODE	1	
D6647	B0ECHP000003	DIODE	1	
D6901-03	MA8056H	ZENER DIODE	3	
D6905	B0ECHP000003	DIODE	1	
D6909,10	B0ECHP000003	DIODE	2	
D6956,57	MA8056H	ZENER DIODE	2	
D6961,62	B0ECHP000003	DIODE	2	
D9000-02	MA3033	ZENER DIODE	3	
D9011,12	MA728	DIODE	2	
D9015,16	MA152K	DIODE	2	
D9700,01	MA728	DIODE	2	
D9900,01	MA152K	DIODE	2	
FL7106	J0HABH000013	LC FILTER	1	
FL7208	J0HABH000013	LC FILTER	1	
FL9000-04	J0HABH000013	LC FILTER	5	
FL9300-02	J0HABH000013	LC FILTER	3	
FL9701,02	J0HABH000012	LC FILTER	2	
FL9703,04	J0HABH000013	LC FILTER	2	
FL9900,01	J0HABH000013	LC FILTER	2	
IC6001-03	C0ZBZ0000895	IC	3	
IC6004	C0ZBZ0001033	IC	1	
IC6005	NJM2903M	INTEGRATED CIRCUIT	1	
IC6006	C0JBAZ000005	IC	1	
IC6011	AN1431M	LINEAR IC	1	
IC6451	AN1431M	LINEAR IC	1	
IC6452,53	C0CBALC00010	IC	2	
IC6454,55	C0CBADC00075	IC	2	
IC6456	AN1431M	LINEAR IC	1	
IC6471,72	AN1431M	LINEAR IC	2	
IC6491	AN1431M	LINEAR IC	1	
IC6501,02	C0JBAZ000994	IC	2	
IC6511	C0ZBZ0001033	IC	1	
IC6512	C0CBADC00075	IC	1	
IC6521	C0ZBZ0001033	IC	1	
IC6541,42	C0ZBZ0001033	IC	2	
IC6543	C0CBADC00075	IC	1	
IC6581	NJM2903M	INTEGRATED CIRCUIT	1	
IC6601,02	C0ZBZ0000895	IC	2	
IC6605,06	C0JBAZ000005	IC	2	
IC6607	C0JBAA000174	IC	1	
IC6901-04	AN16021A-VT	IC	4	
IC6955-58	AN16021A-VT	IC	4	
IC7101	C0JBAZ001120	IC	1	
IC7104-06	C0JBAZ001120	IC	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC7201-04	C0JBAZ001120	IC	4	
IC9001	TVRN577-1	IC	1	
IC9003	TVRN585-1	IC	1	
IC9004	C0EBE0000120	IC	1	
IC9005, 06	C0JBAZ000856	IC	2	
IC9007	TVRN580-1	IC	1	
IC9008	C0DBEJG000001	IC	1	
IC9200	C1ZBZ0002769	IC	1	
IC9300	MN84512-A	IC	1	
IC9301	PST9128NR	IC (LOGIC)	1	
IC9302	C3ABQJ000031	IC	1	
IC9303	TVRN582-1	IC	1	
IC9500	C1ZBZ0002599	IC	1	
IC9502	C0JBAZ000856	IC	1	
IC9504	C0JBAZ000856	IC	1	
IC9700	C0DBEJG000001	IC	1	
IC9702	C0DBAZH00020	IC	1	
L6002-04	G0ZZ00002183	PEAKING COIL	3	
L6005	G0C101K00023	PEAKING COIL	1	
L6011-13	G0AR60MA0003	CHOKE COIL	3	
L6014, 15	G0A1R0MA0003	CHOKE COIL	2	
L6018	J0JJC0000021	CHIP INDUCTOR	1	
L6019	G0ZZ00002183	PEAKING COIL	1	
L6022	J0JJC0000021	CHIP INDUCTOR	1	
L6024-27	G0ZZ00002183	PEAKING COIL	4	
L6034-37	G0ZZ00002183	PEAKING COIL	4	
L6042, 43	J0JJC0000021	CHIP INDUCTOR	2	
L6047	J0JJC0000021	CHIP INDUCTOR	1	
L6050	G0ZZ00002183	PEAKING COIL	1	
L6451	J0JJC0000021	CHIP INDUCTOR	1	
L6453	J0JJC0000021	CHIP INDUCTOR	1	
L6471	J0JJC0000021	CHIP INDUCTOR	1	
L6472	G0ZZ00002183	PEAKING COIL	1	
L6602	G0ZZ00002183	PEAKING COIL	1	
L6604, 05	G0ZZ00002183	PEAKING COIL	2	
L6611-13	G0AR60MA0003	CHOKE COIL	3	
L6614, 15	G0A1R0MA0003	CHOKE COIL	2	
L6618	J0JJC0000021	CHIP INDUCTOR	1	
L6624-27	G0ZZ00002183	PEAKING COIL	4	
L6634-37	G0ZZ00002183	PEAKING COIL	4	
L6647	J0JJC0000021	CHIP INDUCTOR	1	
L9200	G1C150KA0038	INDUCTION COIL	1	
L9500, 01	J0JHC0000078	CHIP INDUCTOR	2	
L9700	G1C4R3M00003	CHIP INDUCTOR	1	
L9701	G1C6R8M00009	CHIP INDUCTOR	1	
PC6458	B3PBA0000223	IC	1	
PC6467	B3PBA0000223	IC	1	
PC6469	B3PBA0000223	IC	1	
PC6474	B3PBA0000223	IC	1	
PC6480	B3PBA0000223	IC	1	
PC6503	B3PBA0000233	IC	1	
PC6505	B3PBA0000233	IC	1	
PC6507	B3PBA0000233	IC	1	
PC6509, 10	B3PBA0000234	IC	2	
PC6517	B3PBA0000223	IC	1	
Q6001-03	B1JADN000001	TRANSISTOR	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q6006-08	B1JADN000001	TRANSISTOR	3	
Q6011	2SD2185	TRANSISTOR	1	
Q6012	2SB1073001TV	TRANSISTOR	1	
Q6013	2SD2185	TRANSISTOR	1	
Q6014	2SB1073001TV	TRANSISTOR	1	
Q6021	B1DEKM000001	TRANSISTOR	1	
Q6024	B1DEKM000001	TRANSISTOR	1	
Q6025	2SK620	FET	1	
Q6041, 42	B1DFKM000002	TRANSISTOR	2	
Q6045	2SK326800L	FET	1	
Q6046	B1DFKM000002	TRANSISTOR	1	
Q6051	2SD1263A	TRANSISTOR	1	
Q6052	2SC1473A	TRANSISTOR	1	
Q6055, 56	2SD601A	TRANSISTOR	2	
Q6451	2SD1263A	TRANSISTOR	1	
Q6454	2SC1473A	TRANSISTOR	1	
Q6461	B1BBCJ000004	TRANSISTOR	1	
Q6462	2SB0709A	TRANSISTOR	1	
Q6463	2SD601A	TRANSISTOR	1	
Q6471	B1BBCJ000004	TRANSISTOR	1	
Q6472	2SB0709A	TRANSISTOR	1	
Q6474	2SD814A	TRANSISTOR	1	
Q6476, 77	2SD601A	TRANSISTOR	2	
Q6491	2SD1263A	TRANSISTOR	1	
Q6492	2SC1473A	TRANSISTOR	1	
Q6501-05	2SK620	FET	5	
Q6511, 12	B1DFGL000008	TRANSISTOR	2	
Q6520	2SD601A	TRANSISTOR	1	
Q6521	B1DFES000002	TRANSISTOR	1	
Q6522-28	2SK400000L	FET	7	
Q6530	2SB1073001TV	TRANSISTOR	1	
Q6541	2SB1073001TV	TRANSISTOR	1	
Q6542	2SK399500L	FET	1	
Q6544-46	2SK399500L	FET	3	
Q6548	2SK399500L	FET	1	
Q6551	2SD601A	TRANSISTOR	1	
Q6552	B1DEET000002	TRANSISTOR	1	
Q6553	2SB1073001TV	TRANSISTOR	1	
Q6554	2SD2185	TRANSISTOR	1	
Q6555	B1DFES000002	TRANSISTOR	1	
Q6581	2SD601A	TRANSISTOR	1	
Q6583, 84	2SK620	FET	2	
Q6601-03	B1JADN000001	TRANSISTOR	3	
Q6606-08	B1JADN000001	TRANSISTOR	3	
Q6611	2SD2185	TRANSISTOR	1	
Q6612	2SB1073001TV	TRANSISTOR	1	
Q6613	2SD2185	TRANSISTOR	1	
Q6614	2SB1073001TV	TRANSISTOR	1	
Q6621	B1DEKM000001	TRANSISTOR	1	
Q6624	B1DEKM000001	TRANSISTOR	1	
Q6901	2SK620	FET	1	
Q9000, 01	2SD601A	TRANSISTOR	2	
Q9003	B1DHCC000034	TRANSISTOR	1	
Q9004	2SB709A	TRANSISTOR	1	
Q9008, 09	2SK2731T146	FET	2	
Q9010, 11	2SD601A	TRANSISTOR	2	
Q9012, 13	2SK2731T146	FET	2	
Q9020-23	2SD601A	TRANSISTOR	4	
Q9500	2SK2731T146	FET	1	
Q9700	2SD601A	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q9701,02	B1MBCDA00002	TRANSISTOR	2	
Q9703,04	2SD601A	TRANSISTOR	2	
Q9900,01	2SD601A	TRANSISTOR	2	
R6001	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6002-05	ERJ6GEYJ151	M 150 OHM,J,1/10W	4	
R6006,07	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6008,09	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R6011-16	ERJ14YJ150U	M 15 OHM, J,1/4W	6	
R6019-22	ERJ14YJ150U	M 15 OHM, J,1/4W	4	
R6023	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6024	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6025	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6026	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6027,28	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R6029-31	ERJ6GEYJ103	M 10KOHM,J,1/10W	3	
R6033	ERJ14YJ204	M 200KOHM, J,1/4W	1	
R6034,35	ERJ14YJ150U	M 15 OHM, J,1/4W	2	
R6041,42	ERJ14YJ5R6U	M 6.2OHM, 1/4W	2	
R6049,50	ERJ14YJ5R6U	M 6.2OHM, 1/4W	2	
R6055	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6056	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6057	ERG1FJS470D	M 47 OHM, J, 1W	1	
R6059,60	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R6061	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R6062,63	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6067	ERG1FJS472D	M 4.7KOHM, J, 1W	1	
R6068	ERG2FJS123D	M 12KOHM, J, 2W	1	
R6069,70	ERJ6ENF2202	M 2.2KOHM, 1/10W	2	
R6073	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6074	ERJ6ENF2402	M 24KOHM, 1/10W	1	
R6076	ERJ6GEYJ0R00	M 0 OHM, 1/10W	1	
R6077,78	ERX3FJSR22D	M 2.2 OHM, J, 3W	2	
R6079,80	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6081	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6082,83	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R6084	ERJ14YJ224	M 220KOHM, J,1/4W	1	
R6085,86	ERJ6GEYJ470	M 47 OHM,J,1/10W	2	
R6087	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6088	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6089	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6090	ERJ14YJ181U	M 181 OHM, J,1/4W	1	
R6091	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6092	ERJ6GEYJ151	M 150 OHM,J,1/10W	1	
R6101	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R6102	EXB38V470J	RESISTOR ARRAY	1	
R6104	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R6105	EXB38V472J	RESISTOR ARRAY	1	
R6107	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R6110	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R6118,19	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6120	ERJ6ENF7501	M 7.5KOHM, 1/10W	1	
R6121	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6123	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	1	
R6124	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6125	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6126	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	1	
R6431	ERJ6GEYJ0R00	M 0 OHM, 1/10W	1	
R6433	ERJ6GEYJ0R00	M 0 OHM, 1/10W	1	
R6439,40	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6450	ERJ6GEYJ563	M 56KOHM,J,1/10W	1	
R6451	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6452	ERJ6GEYJ563	M 56KOHM,J,1/10W	1	
R6453	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6454,55	ERJ14YJ103	M 10KOHM, J,1/4W	2	
R6456	ERJ6ENF1183	M 118KOHM, 1/10W	1	
R6457,58	ERJ6ENF2551	M2.55KOHM, 1/10W	2	
R6459	ERJ14YJ104	M 100KOHM, J,1/4W	1	
R6460	ERJ14YJ203U	M 20KOHM, 1/2W	1	
R6461	ERG1FJS471D	M 470 OHM, J, 1W	1	
R6463	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6464	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6465	ERX3FJS8R2D	M 8.2 OHM, J, 3W	1	
R6466	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6467	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	1	
R6468	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6469	ERJ6ENF1602	M 16KOHM, 1/10W	1	
R6471	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R6472	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6473	ERJ6GEYJ822	M 8.2KOHM,J,1/10W	1	
R6474	ERG1FJS121D	M 120 OHM, J, 1W	1	
R6475	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R6476	ERJ6ENF2743	M 274KOHM, 1/10W	1	
R6478	ERJ6ENF6981	M6.98KOHM, 1/10W	1	
R6479	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6480	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6481	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R6482	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6483	ERJ14YJ752	M 75KOHM, J,1/4W	1	
R6484	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6485,86	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6487	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6488	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6489	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6491	ERJ14YJ104	M 100KOHM, J,1/4W	1	
R6492	ERJ6ENF2003	M 200KOHM, 1/10W	1	
R6493	ERJ6ENF2703	M 270KOHM, 1/10W	1	
R6495,96	ERJ6GEYJ154	M 150KOHM,J,1/10W	2	
R6497	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6498	ERX1FJS8R2D	M 8.2 OHM, J, 1W	1	
R6499	ERG2FNJS8R2E	M 8.2 OHM, J, 2W	1	
R6500	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	1	
R6501-09	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	9	
R6510	ERX3FJS2R2D	M 2.2 OHM, J, 3W	1	
R6511	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6512	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6513	ERX3FJS2R2D	M 2.2 OHM, J, 3W	1	
R6514	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6515	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6516	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6517	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6518	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R6519	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6520	ERJ6GEYJ151	M 150 OHM,J,1/10W	1	
R6521	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6524	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R6525	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6526	ERJ6GEYJ470	M 47 OHM, J,1/10W	1	
R6527	ERJ14YJ102	M 1KOHM, J,1/4W	1	
R6528	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6529-36	ERJ6GEYJ470	M 47 OHM,J,1/10W	8	
R6538	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6539	TAJAAH0101JV	M 100 OHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6540	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6541	ERJ6GEYJ470	M 47 OHM, J, 1/10W	1	
R6542	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6544-46	ERJ6GEYJ100	M 10 OHM, J, 1/10W	3	
R6548	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6550	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R6551	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6552, 53	ERJ6ENF1003	M 100KOHM, 1/10W	2	
R6554	ERG1FJS101D	M 100 OHM, J, 1W	1	
R6555	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6556	ERJ6GEYJ122	M 1.2KOHM, J, 1/10W	1	
R6558	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6559	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R6560, 61	ERJ6GEYJ470	M 47 OHM, J, 1/10W	2	
R6562	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R6563	ERJ6GEYJ5R6	M 5.6 OHM, J, 1/10W	1	
R6565	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6566	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	
R6567, 68	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	2	
R6570	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6571-78	ERJ6GEYJ471	M 470 OHM, J, 1/10W	8	
R6580	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6581	TAJAAH0101JV	M 100 OHM, J, 1/16W	1	
R6582, 83	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6584	ERJ6ENF7501	M 7.5KOHM, 1/10W	1	
R6585	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R6586	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6587	ERJ6GEYJ152	M 1.5KOHM, J, 1/10W	1	
R6588, 89	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6590	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R6591	ERJ6GEYJ152	M 1.5KOHM, J, 1/10W	1	
R6592, 93	ERJ6GEYJ105	M 1MOHM, J, 1/10W	2	
R6594	ERJ14YJ104	M 100KOHM, J, 1/4W	1	
R6595	ERJ6ENF1432	M 14.3KOHM, 1/10W	1	
R6596	ERJ6ENF5231	M 5.23KOHM, 1/10W	1	
R6598	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6599, 00	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R6604	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6605-07	ERJ6GEYJ224	M 220KOHM, J, 1/10W	3	
R6608, 09	ERJ12YJ1R0	M 1 OHM, J, 1/2W	2	
R6610	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6611-14	ERJ14YJ150U	M 15 OHM, J, 1/4W	4	
R6615	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R6616	ERDS1FJ221	C 220 OHM, J, 1/2W	1	
R6617, 18	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	2	
R6619, 20	ERJ14YJ150U	M 15 OHM, J, 1/4W	2	
R6621	ERJ6ENF1543	M 154KOHM, 1/10W	1	
R6622, 23	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6624	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6625	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6626	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6627, 28	TAJAAH0101JV	M 100 OHM, J, 1/16W	2	
R6629	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R6630	ERJ14YJ204	M 200KOHM, J, 1/4W	1	
R6635-38	ERJ14YJ150U	M 15 OHM, J, 1/4W	4	
R6641, 42	ERJ14YJ5R6U	M 6.2OHM, 1/4W	2	
R6643, 44	ERJ14YJ150U	M 15 OHM, J, 1/4W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6645, 46	ERJ6GEYJ151	M 150 OHM, J, 1/10W	2	
R6647, 48	ERJ14YJ5R6U	M 6.2OHM, 1/4W	2	
R6649	EXB38V680J	RESISTOR ARRAY	1	
R6653	EXB38V680J	RESISTOR ARRAY	1	
R6655	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6656	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6659, 60	TAJAAH0101JV	M 100 OHM, J, 1/16W	2	
R6661, 62	ERJ6GEYJ151	M 150 OHM, J, 1/10W	2	
R6663	EXB38V472J	RESISTOR ARRAY	1	
R6664	EXB38V470J	RESISTOR ARRAY	1	
R6667, 68	ERJ6GEYJ151	M 150 OHM, J, 1/10W	2	
R6669	EXB38V472J	RESISTOR ARRAY	1	
R6670	EXB38V470J	RESISTOR ARRAY	1	
R6675	EXB38V472J	RESISTOR ARRAY	1	
R6676	EXB38V470J	RESISTOR ARRAY	1	
R6683	EXB38V470J	RESISTOR ARRAY	1	
R6686	EXB38V472J	RESISTOR ARRAY	1	
R6696	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6699	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6901	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6902-04	ERJ6GEYJ221	M 220 OHM, J, 1/10W	3	
R6910, 11	ERJ6GEYJ104	M 100KOHM, J, 1/10W	2	
R6912	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R6913	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R6920-23	ERJ6GEYJ103	M 10KOHM, J, 1/10W	4	
R6924	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R6955	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6956-58	ERJ6GEYJ221	M 220 OHM, J, 1/10W	3	
R6959	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R6975-78	ERJ6GEYJ103	M 10KOHM, J, 1/10W	4	
R6979	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R7102	ERJ14YJ220	M 22 OHM, J, 1/4W	1	
R7105	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R7106, 07	ERJ14YJ220	M 22 OHM, J, 1/4W	2	
R7108	TAJAAH0470JV	M 47 OHM, J, 1/16W	1	
R7109	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7110, 11	ERJ14YJ220	M 22 OHM, J, 1/4W	2	
R7117	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R7119, 20	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7121	ERJ14YJ220	M 22 OHM, J, 1/4W	1	
R7125	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R7126-28	TAJAAH0470JV	M 47 OHM, J, 1/16W	3	
R7130	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7132-35	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R7136-41	ERJ14YJ220	M 22 OHM, J, 1/4W	6	
R7142, 43	EXB38V470J	RESISTOR ARRAY	2	
R7148	EXB38V470J	RESISTOR ARRAY	1	
R7154	EXB38V470J	RESISTOR ARRAY	1	
R7161	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7162, 63	TAJAAH0470JV	M 47 OHM, J, 1/16W	2	
R7166, 67	TAJAAH0470JV	M 47 OHM, J, 1/16W	2	
R7170, 71	TAJAAH0470JV	M 47 OHM, J, 1/16W	2	
R7172-74	ERJ8GEY0R00	M 0 OHM, 1/8W	3	
R7175-77	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
R7187	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7188	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R7192	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7194	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7196	EXB38V470J	RESISTOR ARRAY	1	
R7202,03	ERJ14YJ220	M 22 OHM, J,1/4W	2	
R7204,05	ERJ8GEY0R00	M 0 OHM, 1/8W	2	
R7206,07	ERJ14YJ220	M 22 OHM, J,1/4W	2	
R7208,09	ERJ8GEY0R00	M 0 OHM, 1/8W	2	
R7210,11	ERJ14YJ220	M 22 OHM, J,1/4W	2	
R7212	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R7213	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7214,15	ERJ14YJ220	M 22 OHM, J,1/4W	2	
R7217	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7218-21	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R7222	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R7223	TAJAAH0470JV	M 47 OHM, J,1/16W	1	
R7225	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7226-29	TAJAAH0470JV	M 47 OHM,J,1/16W	4	
R7230	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7232	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7233-40	ERJ14YJ220	M 22 OHM, J,1/4W	8	
R7241,42	EXB38V470J	RESISTOR ARRAY	2	
R7243-45	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
R7247	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R7248	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R7249,50	EXB38V470J	RESISTOR ARRAY	2	
R7251-53	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
R7254,55	TAJAAH0470JV	M 47 OHM, J,1/16W	2	
R7257,58	EXB38V470J	RESISTOR ARRAY	2	
R7259	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7261,62	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7283	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7289,90	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R7293	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7296	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R7297	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9002	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9004-06	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9007	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9009	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9010	EXB2HV272JV	RESISTOR ARRAY	1	
R9012	EXB2HV272JV	RESISTOR ARRAY	1	
R9013	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9015-18	ERJ3GEYJ103	M 10KOHM,J,1/16W	4	
R9019	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9020,21	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R9022	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R9023	ERJ6ENF1601	M 1.6KOHM, 1/10W	1	
R9024	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9026	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9028	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9029,30	ERJ3GEYJ220	M 22 OHM, J,1/16W	2	
R9031,32	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9033,34	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9035,36	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R9039	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9040	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9041	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9042	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9043,44	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R9045	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9046	ERJ3GEYJ123	M 12KOHM,J,1/16W	1	
R9047-50	TAJAAH0101JV	M 100 OHM,J,1/16W	4	
R9052	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9053	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9054,55	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	2	
R9056,57	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9058,59	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9060-67	TAJAAH0101JV	M 100 OHM,J,1/16W	8	
R9068-72	ERJ3GEYJ103	M 10KOHM,J,1/16W	5	
R9073	EXB2HV470JV	RESISTOR ARRAY	1	
R9074	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9075	EXB2HV470JV	RESISTOR ARRAY	1	
R9076	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9077-79	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9080	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9081	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9082-89	TAJAAH0101JV	M 100 OHM,J,1/16W	8	
R9090	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9091,92	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9093	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9094	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9095-98	ERJ3GEYJ103	M 10KOHM,J,1/16W	4	
R9101-04	TAJAAH0101JV	M 100 OHM,J,1/16W	4	
R9107-09	ERJ3GEYJ393	M 39KOHM,J,1/16W	3	
R9110	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9111,12	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9113	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9114-16	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9117,18	EXB38VR000	RESISTOR ARRAY	2	
R9119	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9120,21	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R9122-24	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9125,26	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R9127,28	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9131-33	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	3	
R9134-36	TAJAAH0101JV	M 100 OHM,J,1/16W	3	
R9137	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9140-42	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9145-47	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9148	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9149	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9152,53	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R9155	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9156,57	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9158-60	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9162,63	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9200-02	TAJAAH0470JV	M 47 OHM,J,1/16W	3	
R9204	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9205	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9208	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9210	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9212	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9300-04	D1HG33080001	NETWORK RESISTER	5	
R9305	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9306,07	D1HG33080001	NETWORK RESISTER	2	
R9308	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9309	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9313-16	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9318,19	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9321	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9322	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9323	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9324-28	ERJ3GEY0R00	M 0 OHM, 1/16W	5	
R9329	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9330-33	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9335,36	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R9337	ERJ6ENF1101	M 1.1KOHM, 1/10W	1	
R9338	ERJ6ENF1401	M 1.4KOHM, 1/10W	1	
R9339-42	ERJ6ENF1001	M 1KOHM, 1/10W	4	
R9343-46	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9500-03	ERJ3GEYJ103	M 10KOHM,J,1/16W	4	
R9505-10	TAJAAH0101JV	M 100 OHM,J,1/16W	6	
R9511	EXB2HV272JV	RESISTOR ARRAY	1	
R9512	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9515	EXB2HV272JV	RESISTOR ARRAY	1	
R9516,17	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9518	EXB2HV470JV	RESISTOR ARRAY	1	
R9519-21	EXB38V470J	RESISTOR ARRAY	3	
R9522,23	EXB2HV470JV	RESISTOR ARRAY	2	
R9524-26	TAJAAH0470JV	M 47 OHM,J,1/16W	3	
R9527	EXB38V470J	RESISTOR ARRAY	1	
R9528,29	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R9531	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9533	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9536	TAJAAH0680JV	M 68 OHM,J,1/16W	1	
R9537,38	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9540	ERJ3GEYJ304V	M 300KOHM,J,1/16W	1	
R9544	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9547-51	ERJ3GEY0R00	M 0 OHM, 1/16W	5	
R9553-55	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9700	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9702-04	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9706,07	ERJ6ENF1001	M 1KOHM, 1/10W	2	
R9708	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9709	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9714	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9716,17	ERJL14KJ33M	M 33 OHM, J,1/4W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9718	ERJ6ENF2002	M 20KOHM, 1/10W	1	
R9719	ERJ6ENF1742	M17.4KOHM, 1/10W	1	
R9720	ERJ6ENF6342	M6.34KOHM, 1/10W	1	
R9721	ERJ6ENF2002	M 20KOHM, 1/10W	1	
R9722,23	ERJ3GEYJ100	M 10 OHM,J,1/16W	2	
R9724	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9725	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9726,27	ERJ3GEYJ100	M 10 OHM,J,1/16W	2	
R9728,29	ERJ6ENF2002	M 20KOHM, 1/10W	2	
R9738,39	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9740-43	ERJ6GEY0R00	M 0 OHM, 1/10W	4	
R9824	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9830	EXB2HV470JV	RESISTOR ARRAY	1	
R9900	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9901	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9902	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9903	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9904	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9905	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9906	EXB2HV470JV	RESISTOR ARRAY	1	
R9907	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9908,09	EXB38V470J	RESISTOR ARRAY	2	
R9910,11	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9912	EXB2HV470JV	RESISTOR ARRAY	1	
R9913	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9914	EXB38V470J	RESISTOR ARRAY	1	
R9915,16	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9917-19	EXB2HV470JV	RESISTOR ARRAY	3	
R9922	EXB2HV470JV	RESISTOR ARRAY	1	
R9923	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
RTL	TNPA3545	CIRCUIT BOARD C1	1	△
RTL	TNPA3546	CIRCUIT BOARD C2	1	△
RTL	TZTNP01YHSR	CIRCUIT BOARD D	1	△
RTL	TNPA3570	CIRCUIT BOARD P	1	△
RTL	TNPA3543	CIRCUIT BOARD SC	1	△
RTL	TNPA3243	CIRCUIT BOARD SD	1	△
RTL	TNPA3544	CIRCUIT BOARD SS	1	△
RTL	TNPA3242	CIRCUIT BOARD SU	1	△
SC2	K1KA06AA0192	6P CONNECTOR	1	
SC20	K1KA20AA0008	20P CONNECTOR	1	
SC23	K1KA03AA0193	3P CONNECTOR	1	
SC30	K1KA03AA0193	3P CONNECTOR	1	
SC41,42	K1ML80BA0001	80P CONNECTOR	2	
SC45,46	K1KA10A00431	10P CONNECTOR	2	
SD1-D3	K1MN80B00004	80P CONNECTOR	3	
SD46	K1KA10B00209	10P CONNECTOR	1	
SS11	K1KA07AA0192	7P CONNECTOR	1	
SS12	K1KA05AA0192	5P CONNECTOR	1	
SS23	K1KA12AA0194	12P CONNECTOR	1	
SS34	K1KA03AA0193	3P CONNECTOR	1	
SS41-44	K1MN13B00020	13P CONNECTOR	4	
SU1-U3	K1MN80B00004	80P CONNECTOR	3	
SU45	K1KA10B00209	10P CONNECTOR	1	
T6461	ETS13TB139AP	SWITCHING TRANS	1	
T6471	ETS19AA259AC	SWITCHING TRANS	1	
VR6074	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
VR6477	EVMEASA00B23	CONTROL 2KOHMB 0.3W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
VR6557	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
X9000	H2D2705A0004	CRYSTAL	1	
X9200	H0J200500038	CRYSTAL	1	
ZA6001-04	K4CD01000013	TERMINAL	4	
ZA6601-03	K4CD01000013	TERMINAL	3	
ZA7101,02	K4CD01000013	TERMINAL	2	
ZA7104	K4CD01000013	TERMINAL	1	
ZA7201	K4CD01000013	TERMINAL	1	
ZA7203,04	K4CD01000013	TERMINAL	2	
ZA9001	K4CD01000013	TERMINAL	1	
C402	ECJ2XC1H101J	C 100PF, J, 50V	1	
C403	ECKCNA222MEB	C 2200PF, M	1	
C404	F0CAF105A021	C 1UF, 250V	1	
C405	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C407	ECA2WHG220	E 22UF, 450V	1	
C409	F0CAF105A021	C 1UF, 250V	1	
C410	ECJ3YB1E105K	C 1UF, K, 25V	1	
C411-14	ECJ2XB1H103K	C 0.01UF, K, 50V	4	
C415,16	F1A3A102A040	C 1000PF, J, 1KV	2	
C417	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C418	F1J1C1050011	C 1UF, Z, 50V	1	
C419	F1A3A102A040	C 1000PF, J, 1KV	1	
C421,22	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C423	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C424	F1A3A102A040	C 1000PF, J, 1KV	1	
C425	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C426	ECJ2XC1H471J	C 470PF, J, 50V	1	
C427	F1J1C1050011	C 1UF, Z, 50V	1	
C428	ECJ2XC1H221J	C 220PF, J, 50V	1	
C429,30	F1K2J1530002	C 0.15PF, J, 630V	2	
C431	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C432-34	F1J1C1050011	C 1UF, Z, 50V	3	
C436	F1J1C1050011	C 1UF, Z, 50V	1	
C440	ECA1HM100	E 10UF, 50V	1	
C443,44	F1A3A102A040	C 1000PF, J, 1KV	2	
C445	F1J1C1050011	C 1UF, Z, 50V	1	
C446	F2B2W3910005	C 390UF, 450V	1	
C451	F1A3A101A040	C 100PF, J, 1KV	1	
C457	ECWH12333RHV	P 0.013UF, J, 1.2KV	1	
C459	F1K2J1530002	C 0.15PF, J, 630V	1	
C460,61	F1A3A331A039	E 330UF, 1KV	2	
C462	ECJ3YB1E105K	C 1UF, K, 25V	1	
C463	ECJ2XC1H220J	C 22UF, J, 50V	1	
C465	ECKCNA221KB7	C 220PF, M,	1	
C467	ECKCNA221KB7	C 220PF, M,	1	
C468	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C470	F0CAF105A021	C 1UF, 250V	1	
C471	F1J1C1050011	C 1UF, Z, 50V	1	
C473	ECKCNA221KB7	C 220PF, M,	1	
C476	ECKCNA221KB7	C 220PF, M,	1	
C482	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C490	ECJ2XC1H331J	C 330PF, J, 50V	1	
C491	ECJ2XB1E104K	C 0.1UF, K, 25V	1	
C492	ECJ2XC1H271J	C 270PF, J, 50V	1	
C493	ECA1EM101	E 100UF, 25V	1	
C494,95	ECJ2XC1H101J	C 100PF, J, 50V	2	
C496	F1J1C1050011	C 1UF, Z, 50V	1	
C497	ECA1EM221	E 220UF, 25V	1	
C498	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C501-03	ECJ2XB1H103K	C 0.01UF, K, 50V	3	
C504	F1J1C1050011	C 1UF, Z, 50V	1	
C505	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C506-08	ECJ2XB1H103K	C 0.01UF, K, 50V	3	
C509	ECA1EM101	E 100UF, 25V	1	
C510	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C511	ECA1EM331	E 330UF, 25V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C512-14	ECJ2XC1H471J	C 470PF, J, 50V	3	
C515	ECA1CM222	E 2200UF, 16V	1	
C516	ECJ2XB1C474K	C 0.47UF, K, 16V	1	
C517	F2D1E1010001	E 10UF, 25V	1	
C518,19	F1J1C1050011	C 1UF, Z, 50V	2	
C523	ECJ3YB1E105K	C 1UF, K, 25V	1	
C525	F2A1E8210012	E 820UF, 25V	1	
C526	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C527	ECJ3YB1E475K	C 4.7UF, K, 25V	1	
C528,29	F1J1C1050011	C 1UF, Z, 50V	2	
C530	ECJ2VB1H333K	C 0.033UF, K, 50V	1	
C533	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C534	ECJ2XC1H471J	C 470PF, J, 50V	1	
C546,47	ECJ2VB1H333K	C 0.033UF, K, 50V	2	
C548	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C551-53	ECJ2XB1H104K	C 0.1UF, K, 50V	3	
C554	F1J1C1050011	C 1UF, Z, 50V	1	
C555	ECA2AM101	E 100UF, 100V	1	
C556	F2A1C1520009	E 1500UF, 16V	1	
C557	F2A1E1520089	E 1500UF, 25V	1	
C562	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C572	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C574	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C577	ECA2AM330	E 33UF, 100V	1	
C581	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C583	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C584	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C587	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C591,92	F1K2J1530002	C 0.15PF, J, 630V	2	
C601	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C603	ECA1HM470	E 47UF, 50V	1	
C604,05	F2A2C1510004	E 150UF, 160V	2	
C606,07	F1J1C1050011	C 1UF, Z, 50V	2	
C608,09	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C610	F1J1C1050011	C 1UF, Z, 50V	1	
C611	F2B2D1720001	E 1700UF, @ 200V	1	
C612	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C615	F2B2D1720001	E 1700UF, @ 200V	1	
C616	F1A3A102A040	C 1000PF, J, 1KV	1	
C619	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C620	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C623	ECA1HM100	E 10UF, 50V	1	
C624	ECJ3YB1E105K	C 1UF, K, 25V	1	
C626	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C629	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C631	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C633	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C634	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C635	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C636	F1J1C1050011	C 1UF, Z, 50V	1	
C637	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C638,39	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C640	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C641	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C643	ECA1HM470	E 47UF, 50V	1	
C646,47	ECJ2XC1H331J	C 330PF, J, 50V	2	
D401	B0FBAT000006	DIODE	1	
D402	MA4240MTA	ZENER DIODE	1	
D403	MA4051NM	ZENER DIODE	1	
D404	B0EBKT000007	DIODE	1	
D406	MA4200M	ZENER DIODE	1	
D407	MA188	DIODE	1	
D410	MA111	DIODE	1	
D411	B0BB17000010	DIODE	1	
D412-14	MA111	DIODE	3	
D415	B0JAME000081	DIODE	1	
D417	RU30A	DIODE	1	
D418	MA4082M	ZENER DIODE	1	
D419,20	RU30A	DIODE	2	
D423	MA188	DIODE	1	
D425	MA188	DIODE	1	
D427-29	ERA15-10	DIODE	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D431	B0JCDD000002	DIODE	1	
D433	MA4150M	ZENER DIODE	1	
D434	MA4082M	ZENER DIODE	1	
D435	ERA15-10	DIODE	1	
D436	MA188	DIODE	1	
D437	MA4082M	ZENER DIODE	1	
D438	MA4150M	ZENER DIODE	1	
D439	MA4130HTA	ZENER DIODE	1	
D440	MA4300M	ZENER DIODE	1	
D441	B0HAMM000122	DIODE	1	
D442	MA4075M	ZENER DIODE	1	
D443	MA4240MTA	ZENER DIODE	1	
D444	B0HAMM000122	DIODE	1	
D445	MA165	DIODE	1	
D459	MA188	DIODE	1	
D461	MA4082M	ZENER DIODE	1	
D462	MA142WKT	ZENER DIODE	1	
D463-67	ERA15-10	DIODE	5	
D501	B0HANR000016	DIODE	1	
D503,04	MA165	DIODE	2	
D505	B0JAME000081	DIODE	1	
D506	MA4051NM	ZENER DIODE	1	
D507,08	MA4150M	ZENER DIODE	2	
D509,10	B0HANM000028	DIODE	2	
D511	B0HBSM000043	DIODE	1	
D514	MA4062M	ZENER DIODE	1	
D521	B0HAMP000067	DIODE	1	
D528,29	MA153	DIODE	2	
D530	MA4100M	ZENER DIODE	1	
D531,32	B0HAPR000012	DIODE	2	
D534	B0JBSG000026	DIODE	1	
D535	MA188	DIODE	1	
D536	B0JBSL000013	DIODE	1	
D538	MA3051M	ZENER DIODE	1	
D539	B0HBRP000007	DIODE	1	
D542	MA4180HTA	ZENER DIODE	1	
D543	MA4150M	ZENER DIODE	1	
D544,45	MA4180HTA	ZENER DIODE	2	
D549	MA4075M	ZENER DIODE	1	
D551	MA4130M	ZENER DIODE	1	
D552	MA4082M	ZENER DIODE	1	
D555	MA4075M	ZENER DIODE	1	
D559	MA4075M	ZENER DIODE	1	
D563	MA4062M	ZENER DIODE	1	
D564	MAZ72000AF	ZENER DIODE	1	
D565	MA4160M	ZENER DIODE	1	
D566	B0HAMM000122	DIODE	1	
D568	MA3J142D0L	DIODE	1	
D569-71	MA4300M	ZENER DIODE	3	
D572	MA188	DIODE	1	
D574	MA111	DIODE	1	
D575	MA188	DIODE	1	
D579	MA111	DIODE	1	
D582	MAZ705600F	ZENER DIODE	1	
D584	MA4075M	ZENER DIODE	1	
D586	B0HAMP000067	DIODE	1	
D587	MA188	DIODE	1	
IC401	CNC1S171R	IC	1	
IC402	C0BBAA000038	IC	1	
IC403,04	CNC1S171R	IC	2	
IC406	C0DAZZZ00021	IC	1	
IC407	C0DBAZZ00111	IC	1	
IC408,09	CNC1S171R	IC	2	
IC411	C0BBAA000038	IC	1	
IC412	CNC1S171R	IC	1	
IC501	C2ABDD000064	IC	1	
IC502	C0EBH0000190	IC	1	
IC503,04	C0DAEMB00004	IC	2	
IC505	CNC1S171R	IC	1	
IC506	C0ZBZ0000878	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC507	C0CBABE00023	IC	1	
IC509	C0DABZZ00010	IC	1	
IC512	C0DAEMB00004	IC	1	
IC520	C9ZB00000496	IC	1	
L402	EXCELSA24	BEAD CHOKE	1	
L403	EXCELSA35	BEAD CHOKE	1	
L404,05	G0B123K00003	INDUCTION COIL	2	
L501	EXCELSA35	BEAD CHOKE	1	
L502	TALL08N102JA	INDUCTION COIL	1	
L506	EXCELDLR25C	BEAD CHOKE	1	
L509	J0JBC0000032	CHIP INDUCTOR	1	
L510	EXCELDLR25C	BEAD CHOKE	1	
P2	K1KA06AA0479	6P CONNECTOR	1	
P5	K1KA11AA0183	11P CONNECTOR	1	
P9	K1KA03A00537	3P CONNECTOR	1	
P10	K1KA06AA0182	6P CONNECTOR	1	
P11	K1KA07AA0192	7P CONNECTOR	1	
P12	K1KA05AA0192	5P CONNECTOR	1	
P23	K1KA03AA0182	3P CONNECTOR	1	
P25	K1KA20AA0178	20P CONNECTOR	1	
P30	K1KA05AA0182	5P CONNECTOR	1	
PR401	K5Y502BA0001	FUSE	1	
PR402	K5G202B00015	FUSE	1	
PR501	K5H502Z00003	FUSE	1	
PR503	K5H502Z00003	FUSE	1	
PR509	K5H501Z00005	FUSE	1	
PR601	K5G312B00012	FUSE	1	
Q401	B1CHND000004	TRANSISTOR	1	
Q403	B1CBGD000001	TRANSISTOR	1	
Q404	B1BCCF000022	TRANSISTOR	1	
Q406	B1DEHQ000007	TRANSISTOR	1	
Q407	XN4601	TRANSISTOR	1	
Q408,09	B1CHND000004	TRANSISTOR	2	
Q412,13	B1DAGQ000013	TRANSISTOR	2	
Q414	B1ABCF000134	TRANSISTOR	1	
Q415	2SB1218ARL	TRANSISTOR	1	
Q417	B1CHND000004	TRANSISTOR	1	
Q418	2SD1819A	TRANSISTOR	1	
Q420-22	2SD1819A	TRANSISTOR	3	
Q423,24	B1CBGD000001	TRANSISTOR	2	
Q430	B1CEJQ000002	TRANSISTOR	1	
Q431	B1DEGS000001	TRANSISTOR	1	
Q432	B1CEJQ000002	TRANSISTOR	1	
Q433	B1CBGD000001	TRANSISTOR	1	
Q434	B1CEJQ000002	TRANSISTOR	1	
Q435	B1CBGD000001	TRANSISTOR	1	
Q436	B1CEJQ000002	TRANSISTOR	1	
Q438	B1CBGD000001	TRANSISTOR	1	
Q439	B1CHND000004	TRANSISTOR	1	
Q440,41	2SD1819A	TRANSISTOR	2	
Q501,02	2SD1820A	TRANSISTOR	2	
Q503	XN0440100L	TRANSISTOR	1	
Q505	B1CEJQ000002	TRANSISTOR	1	
Q506	B1CHND000004	TRANSISTOR	1	
Q507	B1DAGQ000013	TRANSISTOR	1	
Q508	XN0450100L	TRANSISTOR	1	
Q509	XN0440100L	TRANSISTOR	1	
Q510	B1DHBD000004	TRANSISTOR	1	
Q511	B1CFND000005	TRANSISTOR	1	
Q512	B1CBGD000001	TRANSISTOR	1	
Q516	B1DHBD000004	TRANSISTOR	1	
Q517	B1HFCFA00021	TRANSISTOR	1	
Q518	B1DEHL000018	TRANSISTOR	1	
Q519	B1DEHF000002	TRANSISTOR	1	
Q520	B1HFCFA00021	TRANSISTOR	1	
Q525	B1CBGD000001	TRANSISTOR	1	
Q527	B1DEHL000018	TRANSISTOR	1	
Q530	B1CBGD000001	TRANSISTOR	1	
Q535	2SD1819A	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q536-38	B1CFQD000001	TRANSISTOR	3	
Q541	B1CBGD000001	TRANSISTOR	1	
Q544	XN0440100L	TRANSISTOR	1	
Q550	B1CHGD000006	TRANSISTOR	1	
Q551,52	B1CBGD000001	TRANSISTOR	2	
Q553	2SD1819A	TRANSISTOR	1	
Q554	B1DHBD000004	TRANSISTOR	1	
Q557	2SD1819A	TRANSISTOR	1	
Q558	B1CHHG000002	TRANSISTOR	1	
Q559	2SD1819A	TRANSISTOR	1	
Q560	B1CHHG000002	TRANSISTOR	1	
Q561,62	2SD1819A	TRANSISTOR	2	
Q564,65	2SD1819A	TRANSISTOR	2	
Q567	B1CBGD000001	TRANSISTOR	1	
R401	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R402	ERJ6EKF6803	M 680KOHM, 1/10W	1	
R403	ERJ6ENF4702	M 47KOHM, 1/10W	1	
R404	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R405	ERJ6EKF6803	M 680KOHM, 1/10W	1	
R407	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R408	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R410,11	D1F5100E0002	F 3.3 OHM, 5W	2	
R412	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R413	D1F5100E0002	F 3.3 OHM, 5W	1	
R414	ERJ8GEYJ153	M 15KOHM, J, 1/8W	1	
R415	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R416	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R417	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R418	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R419	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R420	ERJ6GEYJ474	M 470KOHM, J, 1/10W	1	
R421	ERJ6GEYJ333	M 33KOHM, J, 1/10W	1	
R422	ERJ8GEYJ181	M 180 OHM, J, 1/8W	1	
R423	ERJ6GEYJ154	M 150KOHM, J, 1/10W	1	
R424	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R425	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R426	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R427	ERJ6GEYJ334	M 330KOHM, J, 1/10W	1	
R428	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R429	ERJ8GEYJ103	M 10KOHM, J, 1/8W	1	
R430	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R431	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R432	ERJ8GEYJ103	M 10KOHM, J, 1/8W	1	
R433	ERJ6ENF1202	M 12KOHM, J, 1/10W	1	
R435	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R436	ERJ8GEYJ153	M 15KOHM, J, 1/8W	1	
R437	ERJ6GEYJ183	M 18KOHM, J, 1/10W	1	
R438	ERJ6GEYJ331	M 330 OHM, J, 1/10W	1	
R439	ERG12SJ120	M 12 OHM, J, 1/2W	1	
R440	ERJ8GEYJ474	M 470KOHM, J, 1/8W	1	
R441,42	ERJ6EKF6803	M 680KOHM, 1/10W	2	
R443	EVMAASA00B23	CONTROL 2KOHMB	1	
R444	ERJ6GEYJ123	M 12KOHM, J, 1/10W	1	
R445	ERJ6ENF1003	M 100KOHM, 1/10W	1	
R446	ERX2SJR39H	M0.39 OHM, J, 2W	1	
R447	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R448,49	DOXGR10JA007	RESISTOR ARRAY	2	
R450	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R451	ERJ6GEYJ333	M 33KOHM, J, 1/10W	1	
R452	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R453	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R454	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R455	ERJ6GEYJ106	M 10MOHM, J, 1/10W	1	
R456,57	ERJ6GEYJ333	M 33KOHM, J, 1/10W	2	
R458	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R461	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R462	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R463	ERJ6GEYJ333	M 33KOHM, J, 1/10W	1	
R464	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R465	ERJ6ENF5603	M 560KOHM, 1/10W	1	
R466,67	ERJ6GEYJ102	M 1KOHM, J, 1/10W	2	
R468	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R469	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R470	ERX2SJR39H	M0.39 OHM, J, 2W	1	
R471	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R472,73	ERJ6ENF5603	M 560KOHM, 1/10W	2	
R474	ERG1SJ104P	M 100KOHM, J, 1W	1	
R475	ERJ6EKF6803	M 680KOHM, 1/10W	1	
R476,77	ERJ14YJ181U	M 181 OHM, J, 1/4W	2	
R478	ERJ8GEYJ220	M 22 OHM, J, 1/8W	1	
R479	ERG1SJ104P	M 100KOHM, J, 1W	1	
R480	ERJ6ENF9102	M91.0KOHM, 1/10W	1	
R481	ERJ6GEYJ106	M 10MOHM, J, 1/10W	1	
R482	ERJ8GEYJ220	M 22 OHM, J, 1/8W	1	
R483	ERJ6GEYJ106	M 10MOHM, J, 1/10W	1	
R485	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R486,87	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W	2	
R488	ERJ6GEYJ106	M 10MOHM, J, 1/10W	1	
R489	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R490,91	ERJ6GEYJ473	M 47KOHM, J, 1/10W	2	
R492	ERJ6GEYJ220	M 22 OHM, J, 1/10W	1	
R493	ERG12SJ120	M 12 OHM, J, 1/2W	1	
R494-96	ERJ6ENF5603	M 560KOHM, 1/10W	3	
R497	ERJ6ENF2402	M 24KOHM, 1/10W	1	
R501	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R502,03	ERJ6GEYJ104	M 100KOHM, J, 1/10W	2	
R504	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R505	ERJ8GEYJ330	M 33 OHM, J, 1/8W	1	
R506	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R507	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R508	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R509-11	ERJ6GEYJ104	M 100KOHM, J, 1/10W	3	
R512	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R513,14	ERJ6GEYJ104	M 100KOHM, J, 1/10W	2	
R515,16	ERJ6GEYJ102	M 1KOHM, J, 1/10W	2	
R517	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R518	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R519,20	ERJ6GEYJ104	M 100KOHM, J, 1/10W	2	
R521,22	ERJ8GEYJ100	M 10 OHM, J, 1/8W	2	
R523	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R524	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W	1	
R525	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R526,27	ERJ8GEYJ224	M 220KOHM, J, 1/8W	2	
R528	ERJ6GEYJ4R7	M 4.7 OHM, J, 1/10W	1	
R530	ERJ6RBD3302	M 3.3KOHM, F, 1/10W	1	
R531	ERJ8GEYJ472	M 4.7KOHM, J, 1/8W	1	
R532	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R533	ERJ8GEYJ223	M 22KOHM, J, 1/8W	1	
R534	ERJ8GEYJ224	M 220KOHM, J, 1/8W	1	
R535,36	ERJ6GEYJ102	M 1KOHM, J, 1/10W	2	
R537	ERJ6ENF3602	M 36KOHM, 1/10W	1	
R538	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R539	ERJ6RBD1002	M 1.0KOHM, 1/10W	1	
R540	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R541	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R542	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R543	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R544	ERJ6GEYJ331	M 330 OHM, J, 1/10W	1	
R545	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R546,47	ERJ6GEYJ102	M 1KOHM, J, 1/10W	2	
R548	ERJ8GEYJ102	M 1KOHM, J, 1/8W	1	
R549	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R550	ERJ6GEYJ105	M 1MOHM, J, 1/10W	1	
R551	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R552	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R553	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R554	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R555,56	ERJ6GEYJ105	M 1MOHM, J, 1/10W	2	
R557	ERJ8GEYJ471	M 470 OHM, J, 1/8W	1	
R558	ERJ6GEYJ334	M 330KOHM, J, 1/10W	1	
R559	ERJ6RBD4702	M 47KOHM, 1/10W	1	
R560	ERJ6ENF1302	M 13KOHM, 1/10W	1	
R561	ERJ6ENF4301	M 4.3KOHM, 1/10W	1	
R562	ERJ6ENF1802	M 18KOHM, 1/10W	1	
R563	ERJ6GEYJ2R2	M 2.2 OHM, J, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R564	ERJ6GEYJ474	M 470KOHM, J, 1/10W	1	
R565	ERJ6GEYJ334	M 330KOHM, J, 1/10W	1	
R566	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R567	ERJ8GEYJ472	M 4.7KOHM, J, 1/8W	1	
R568, 69	ERG2SJ181	M 180 OHM, J, 2W	2	
R570	ERJ8GEYJ102	M 1KOHM, J, 1/8W	1	
R571	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R572, 73	ERJ8ENF3900	M 390 OHM, 1/8W	2	
R574	ERJ6GEYJ331	M 330 OHM, J, 1/10W	1	
R575	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R576	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R577, 78	ERJ6GEYJ473	M 47KOHM, J, 1/10W	2	
R579	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R580, 81	ERJ6GEYJ473	M 47KOHM, J, 1/10W	2	
R582	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R583	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R584	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R585	ERJ6GEYJ333	M 33KOHM, J, 1/10W	1	
R586, 87	ERJ6GEYJ473	M 47KOHM, J, 1/10W	2	
R588	ERJ8ENF3900	M 390 OHM, 1/8W	1	
R589, 90	ERJ8GEYJ123	M 12KOHM, J, 1/8W	2	
R591	ERJ6GEYJ105	M 1MOHM, J, 1/10W	1	
R592	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R593	ERJ6ENF5601	M 5.6KOHM, 1/10W	1	
R594	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R595	ERJ8GEYJ222	M 2.2KOHM, J, 1/8W	1	
R596	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R597, 98	ERJ6GEYJ473	M 47KOHM, J, 1/10W	2	
R599, 00	ERJ8GEYJ391	M 390 OHM, J, 1/8W	2	
R601	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R602	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R603	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R604	ERJ6GEYJ122	M 1.2KOHM, J, 1/10W	1	
R606	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R607	ERJ6GEYJ822	M 8.2KOHM, J, 1/10W	1	
R608	ERJ8GEYJ332	M 3.3KOHM, J, 1/8W	1	
R609	ERJ6GEYJ822	M 8.2KOHM, J, 1/10W	1	
R610, 11	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R612	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R613	ERJ6ENF1602	M 16KOHM, 1/10W	1	
R614	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R615-17	ERJ6GEYJ103	M 10KOHM, J, 1/10W	3	
R618	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R619	ERJ8RQFR68	M 0.68OHM, J, 1/8W	1	
R620	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R621	ERJ8GEYJ123	M 12KOHM, J, 1/8W	1	
R622	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R623	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R624	ERX2SJR22	M0.22 OHM, J, 2W	1	
R625	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R626	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R627	ERJ6GEYJ822	M 8.2KOHM, J, 1/10W	1	
R628	EVMAASA00B33	CONTROL 3KOHMB	1	
R629	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R630	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R631	ERJ8GEYJ333	M 33KOHM, J, 1/8W	1	
R632	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R633	ERJ6GEYJ334	M 330KOHM, J, 1/10W	1	
R634	ERJ8RQFR68	M 0.68OHM, J, 1/8W	1	
R636	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R637	ERJ8RQFR68	M 0.68OHM, J, 1/8W	1	
R640	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R641	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R642-44	ERJ8RQFR68	M 0.68OHM, J, 1/8W	3	
R645	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R646, 47	ERJ6GEYJ223	M 22KOHM, J, 1/10W	2	
R648	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R649	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R650	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R651	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R652	ERJ6ENF9101	M 9.1KOHM, 1/10W	1	
R653	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R654	ERJ8GEYJ101	M 100 OHM, J, 1/8W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R655	ERJ8RQJR39	M0.39 OHM, 1/8W	1	
R656	ERJ6ENF4702	M 47KOHM, 1/10W	1	
R657	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R658	ERJ6GEYJ105	M 1MOHM, J, 1/10W	1	
R659	ERJ6ENF3002	M 30KOHM, 1/10W	1	
R660	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R661	EVMAASA00B53	CONTROL 5KOHMB	1	
R662	ERJ6ENF1303	M 130KOHM, 1/10W	1	
R663	ERJ3GEYJ2R2	M 2.2 OHM, J, 1/16W	1	
R664	ERJ6ENF9101	M 9.1KOHM, 1/10W	1	
R665	EVMAASA00B23	CONTROL 2KOHMB	1	
R666	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R667, 68	ERJ8GEYJ0R00	M 0 OHM, 1/8W	2	
R669	ERJ6ENF1303	M 130KOHM, 1/10W	1	
R670	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R671	EVMAASA00B14	CONTROL 10KOHMB	1	
R674	ERJ8GEYJ333	M 33KOHM, J, 1/8W	1	
R675	ERJ3GEYJ2R2	M 2.2 OHM, J, 1/16W	1	
R676	ERJ8GEYJ333	M 33KOHM, J, 1/8W	1	
R677	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R678	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R679, 80	ERJ8RQJR39	M0.39 OHM, 1/8W	2	
R681	ERJ6ENF1500	M 150 OHM, 1/10W	1	
R682	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R683	ERJ6ENF1500	M 150 OHM, 1/10W	1	
R684	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R685	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R686	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R687	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R688	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R689	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R690	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R691	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R692, 93	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	2	
R694	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R695	ERJ6ENF1602	M 16KOHM, 1/10W	1	
R696	ERJ8GEYJ100	M 10 OHM, J, 1/8W	1	
R697	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R698	ERJ8RQJR39	M0.39 OHM, 1/8W	1	
R702	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R703, 04	ERG2SJ101	M 100 OHM, J, 2W	2	
R706	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R707	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R708	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R712	ERJ6GEYJ0R00	M 0 OHM, 1/10W	1	
R713	ERJ8GEYJ472	M 4.7KOHM, J, 1/8W	1	
R901	ERJ6ENF2702	M 27KOHM, 1/10W	1	
R903-06	ERJ8ENF1203	M 12KOHM, 1/8W	4	
R907	ERJ6ENF2702	M 27KOHM, 1/10W	1	
R908	ERJ6GEYJ335	M 3.3MOHM, J, 1/10W	1	
R909-11	ERJ6GEYJ106	M 10MOHM, J, 1/10W	3	
R912	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R913, 14	ERJ6GEYJ102	M 1KOHM, J, 1/10W	2	
R915	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R916	ERJ6GEYJ0R00	M 0 OHM, 1/10W	1	
R917	ERJ6GEYJ334	M 330KOHM, J, 1/10W	1	
R918	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R920	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R921	ERJ6RBD3092	M30.9KOHM, F, 1/10W	1	
R922	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R925	ERJ6GEYJ335	M 3.3MOHM, J, 1/10W	1	
R926, 27	ERG2DJW224E	M 220KOHM, J, 2W	2	
R928-31	ERJ8ENF1203	M 12KOHM, 1/8W	4	
R932	ERJ6GEYJ105	M 1MOHM, J, 1/10W	1	
RL402	TSEH8011	RELAY	1	
RL403	TSE10801	RELAY	1	
S401, 02	JOLT00000009	SWITCH	2	
T401	G4D4A0000107	SWITCHING TRANSFORMER	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
T402	G4D1A0000098	SWITCHING TRANSFORMER	1	
T404	G4D4A0000109	SWITCHING TRANSFORMER	1	
T407	ETQ11K5AZ	CHOKE TRANS	1	
T410	G4D2A0000229	SWITCHING TRANSFORMER	1	
T601	G4D2A0000227	SWITCHING TRANSFORMER	1	
W2	ERDS2TJ391	C 390 OHM, J,1/4W	1	
X501	H2B400400021	CRYSTAL	1	
Z1, Z2	K4ZZ01000206	TERMINAL	2	
Z410	TMM7464-2	CLAMPER	1	
Z411	TMME190	CLAMPER	1	
Z412	TMM7443-3	CLAMPER	1	
Z413	TMM7464-2	CLAMPER	1	
Z414	TMME190	CLAMPER	1	
Z420	TMM23417	CLAMPER	1	
Z450-53	EYF52BCY	FUSE HOLDER	4	
ZN401, 02	D4EAD6210001	VARISTOR	2	
ZN403	D4EA8511A001	VARISTOR	1	
ZN404	D4EAB681A011	VARISTOR	1	